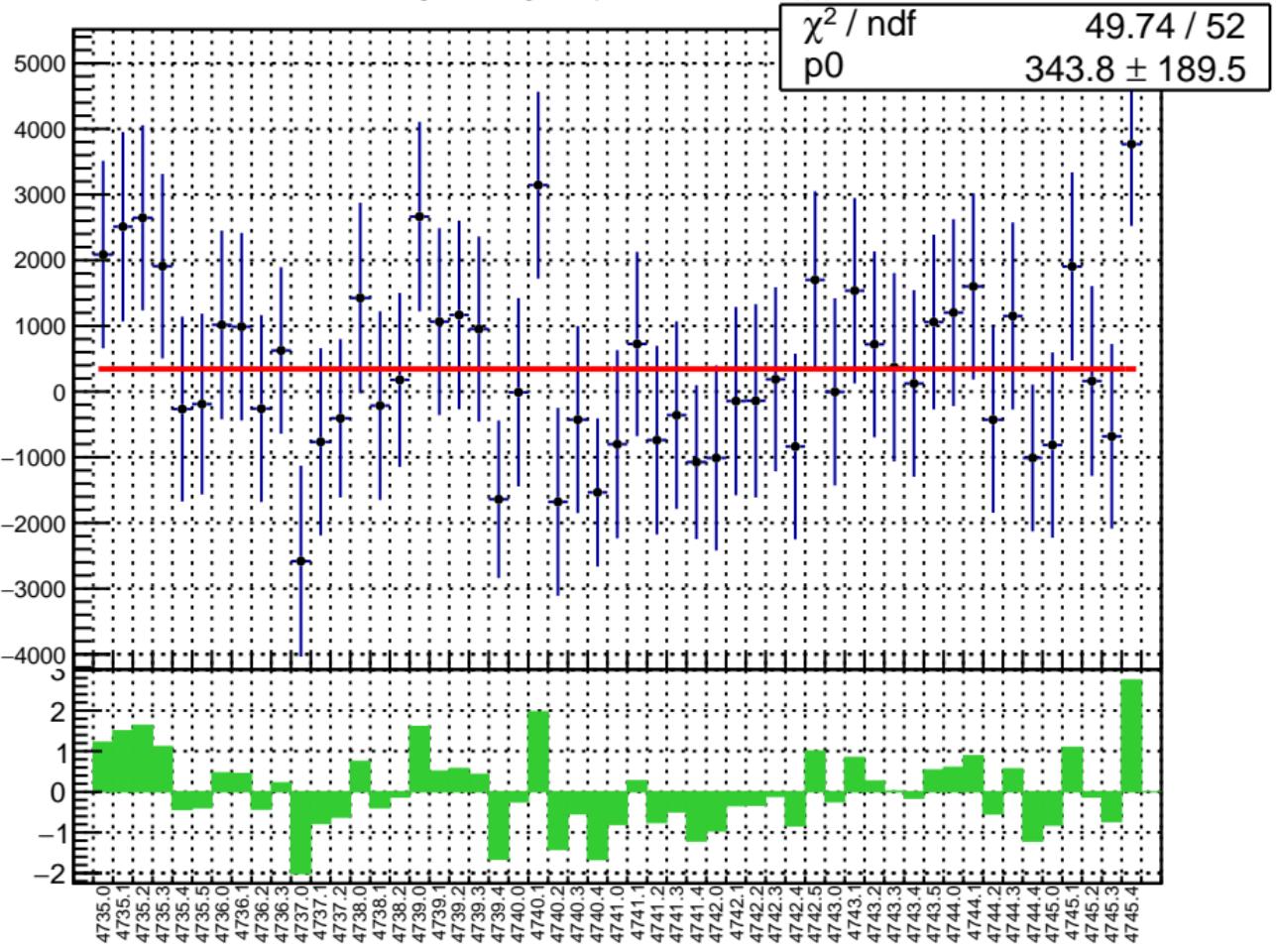
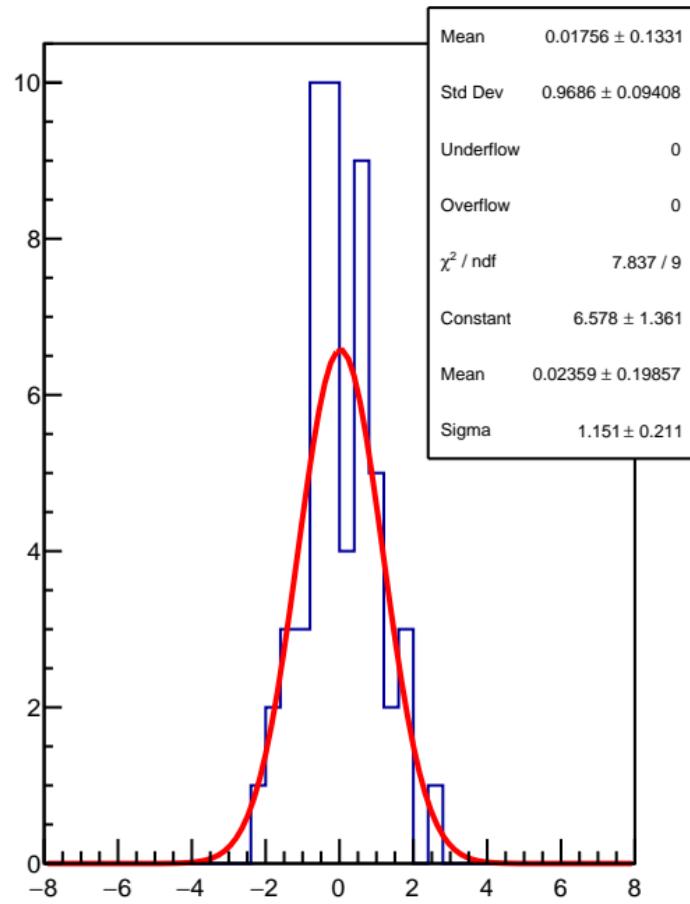


slug77: reg_asym_usl.mean/ppb

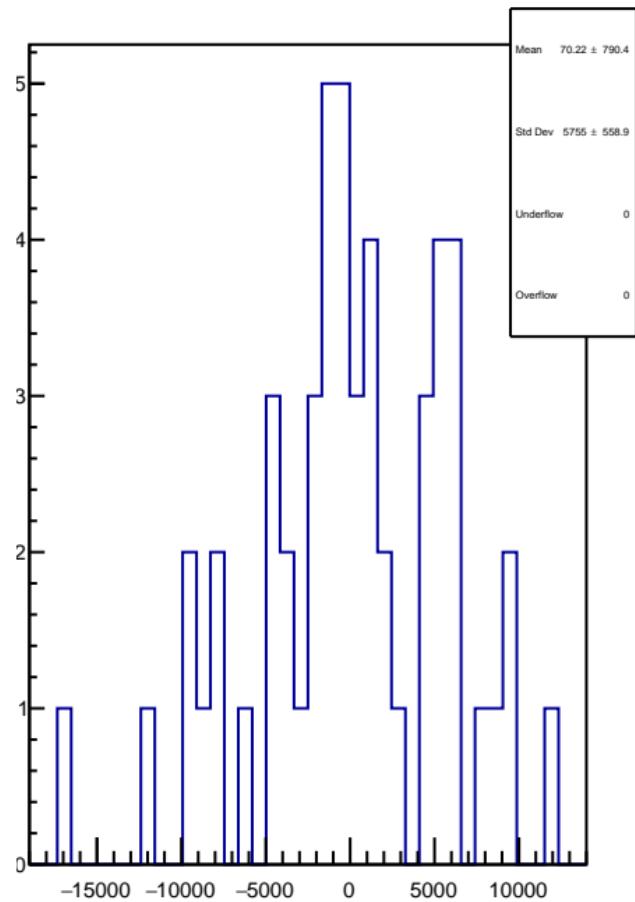
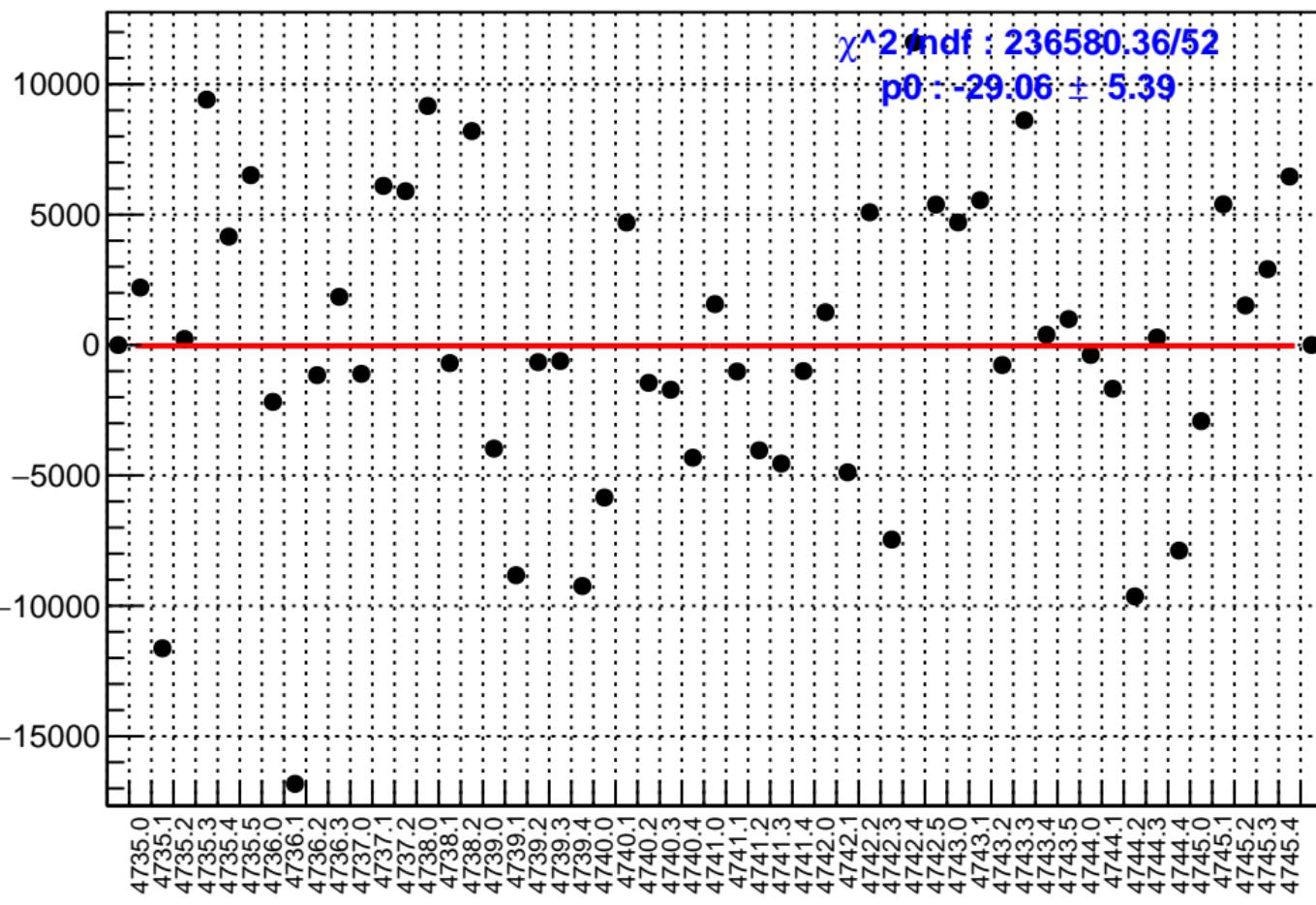


1D pull distribution

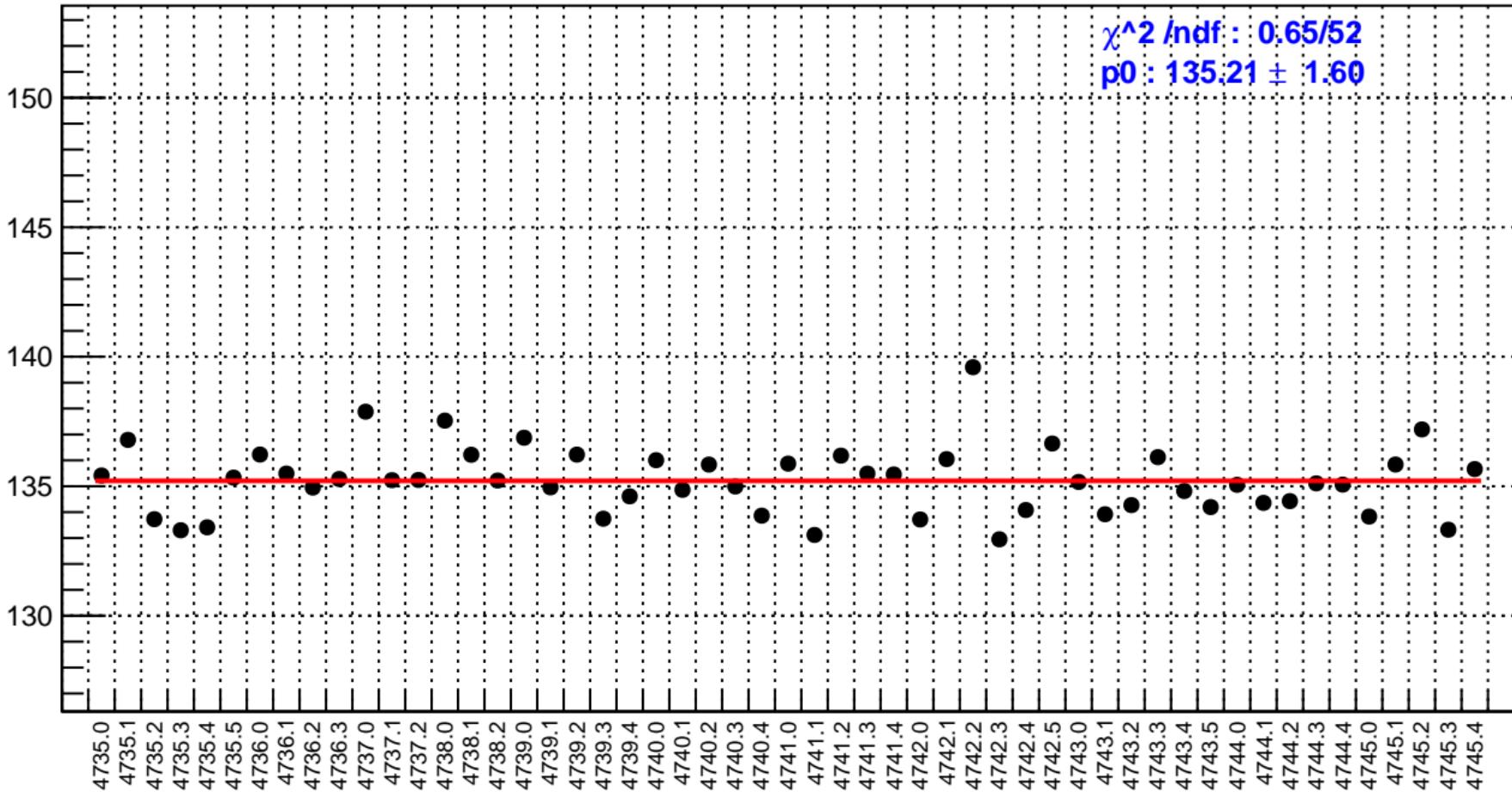


slug77: asym_usl.mean/ppb-reg_asym_usl.mean/ppb

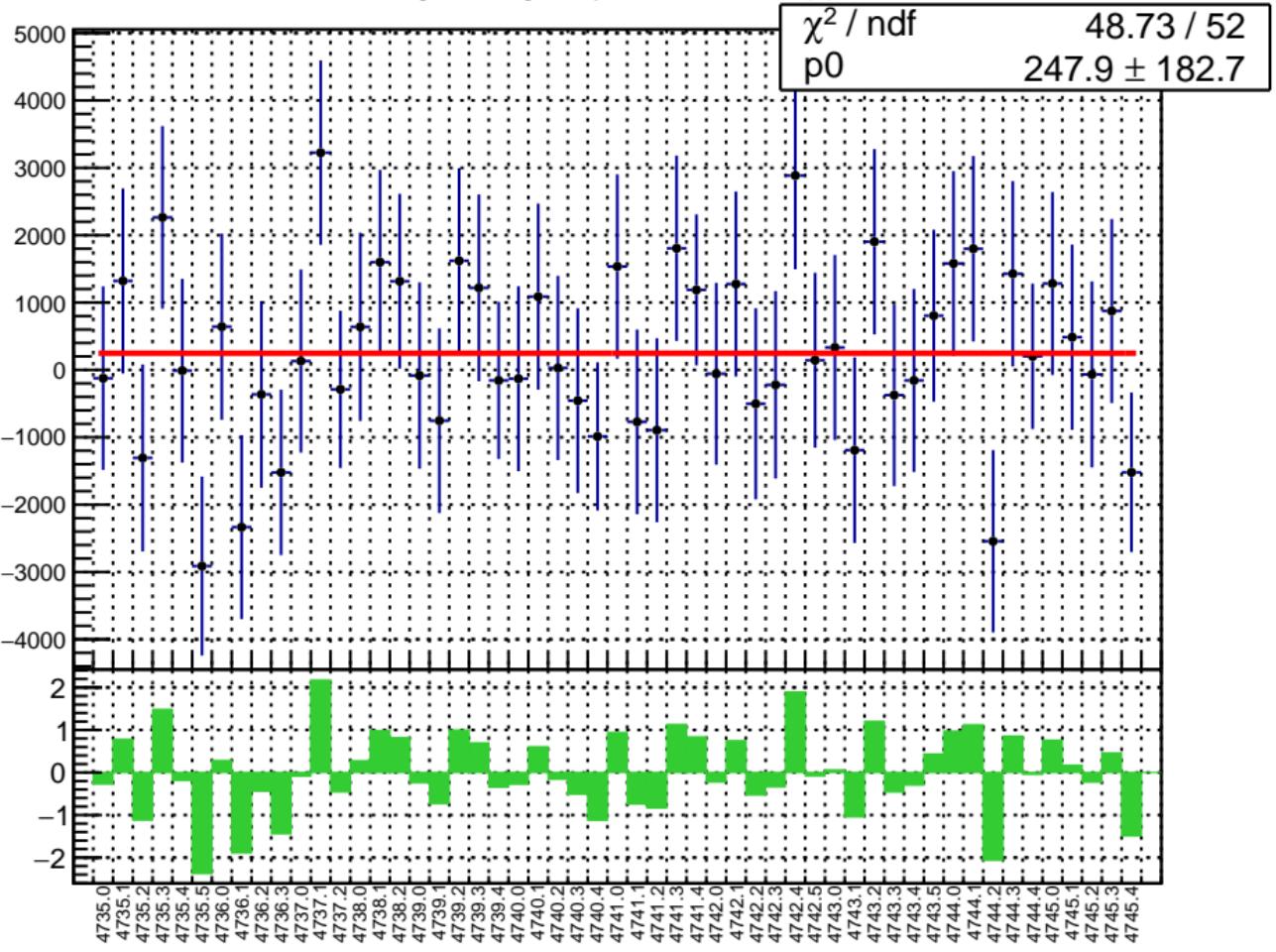
slug77: 1D Corr asym_usl.mean/ppb-reg_asym_usl.mean/ppb



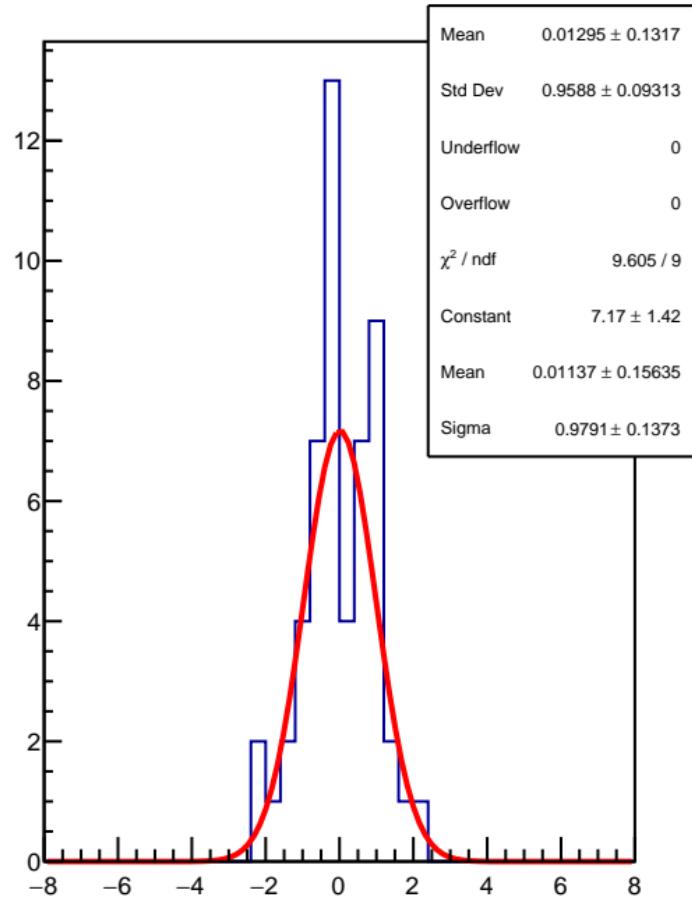
slug77: reg_asym_usl.rms/ppm



slug77: reg_asym_usr.mean/ppb

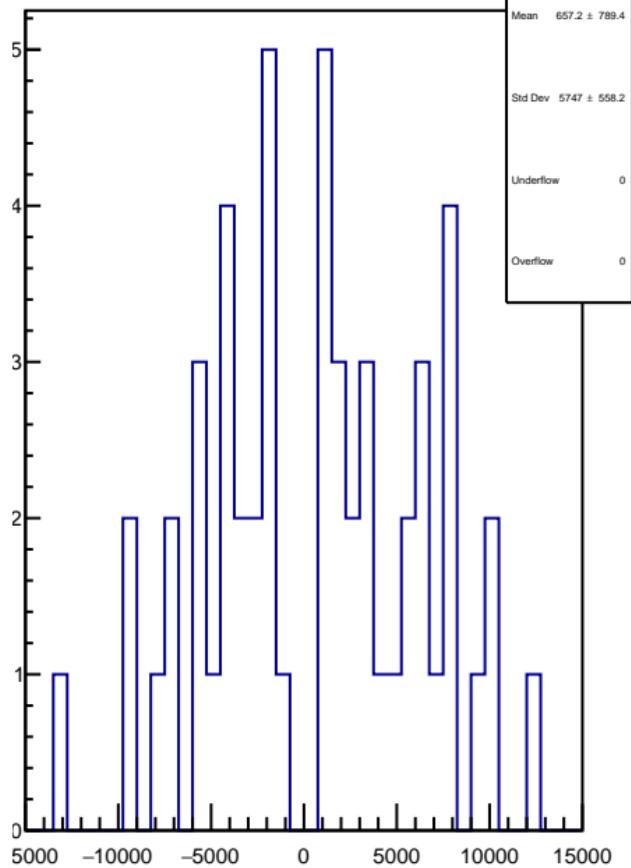
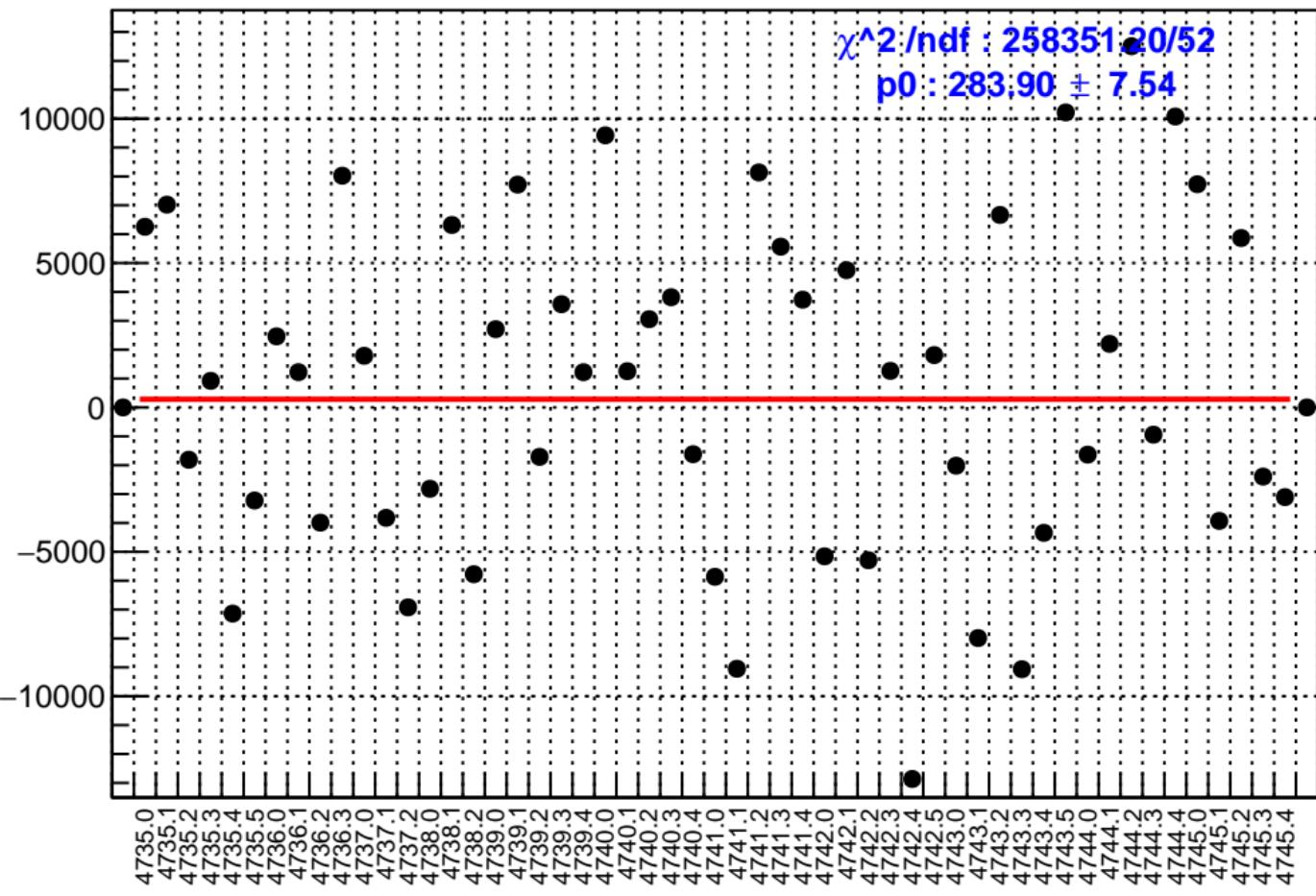


1D pull distribution



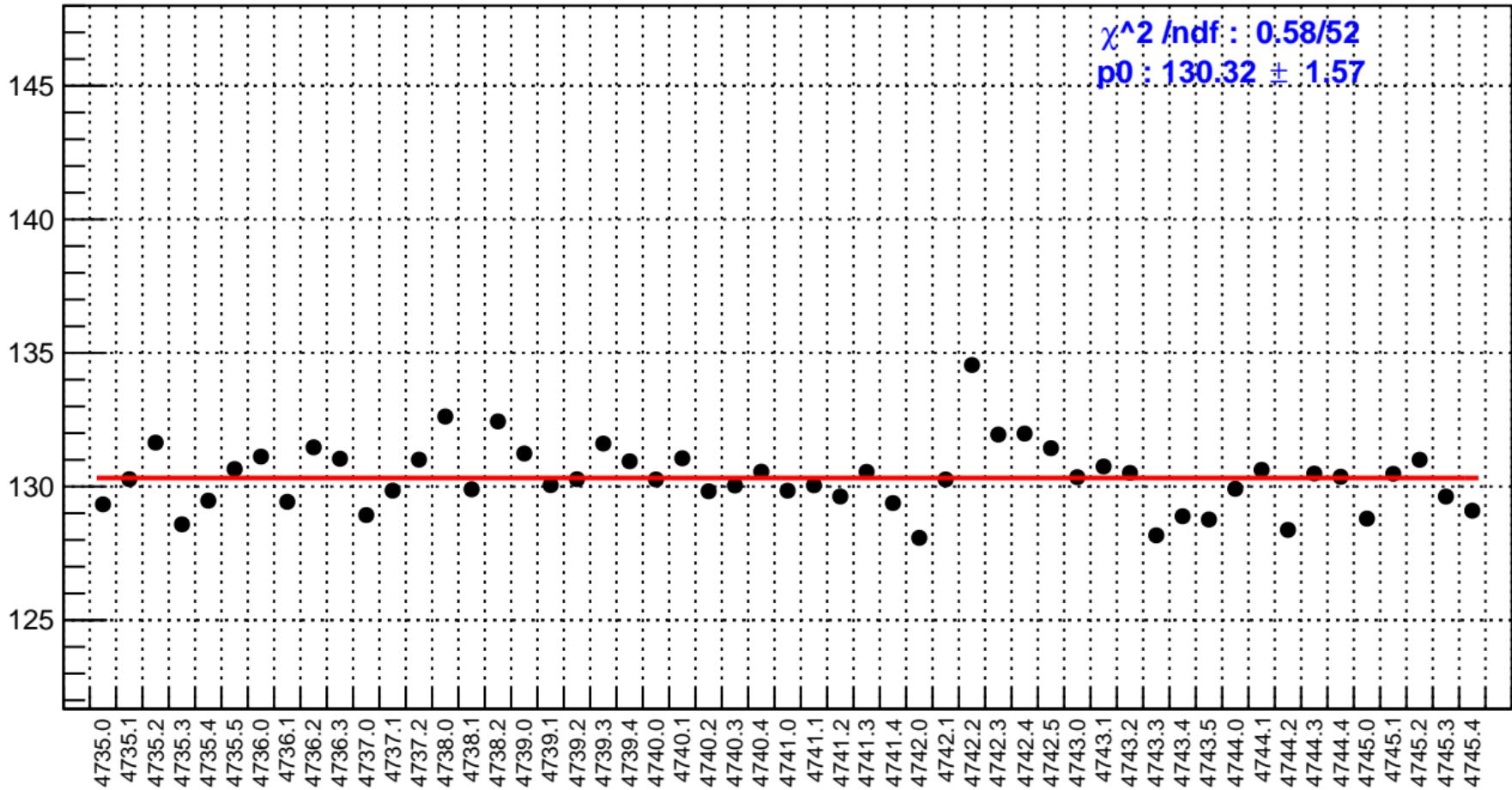
slug77: asym_usr.mean/ppb-reg_asym_usr.mean/ppb

slug77: 1D Corr asym_usr.mean/ppb-reg_asym_usr.mean/ppb

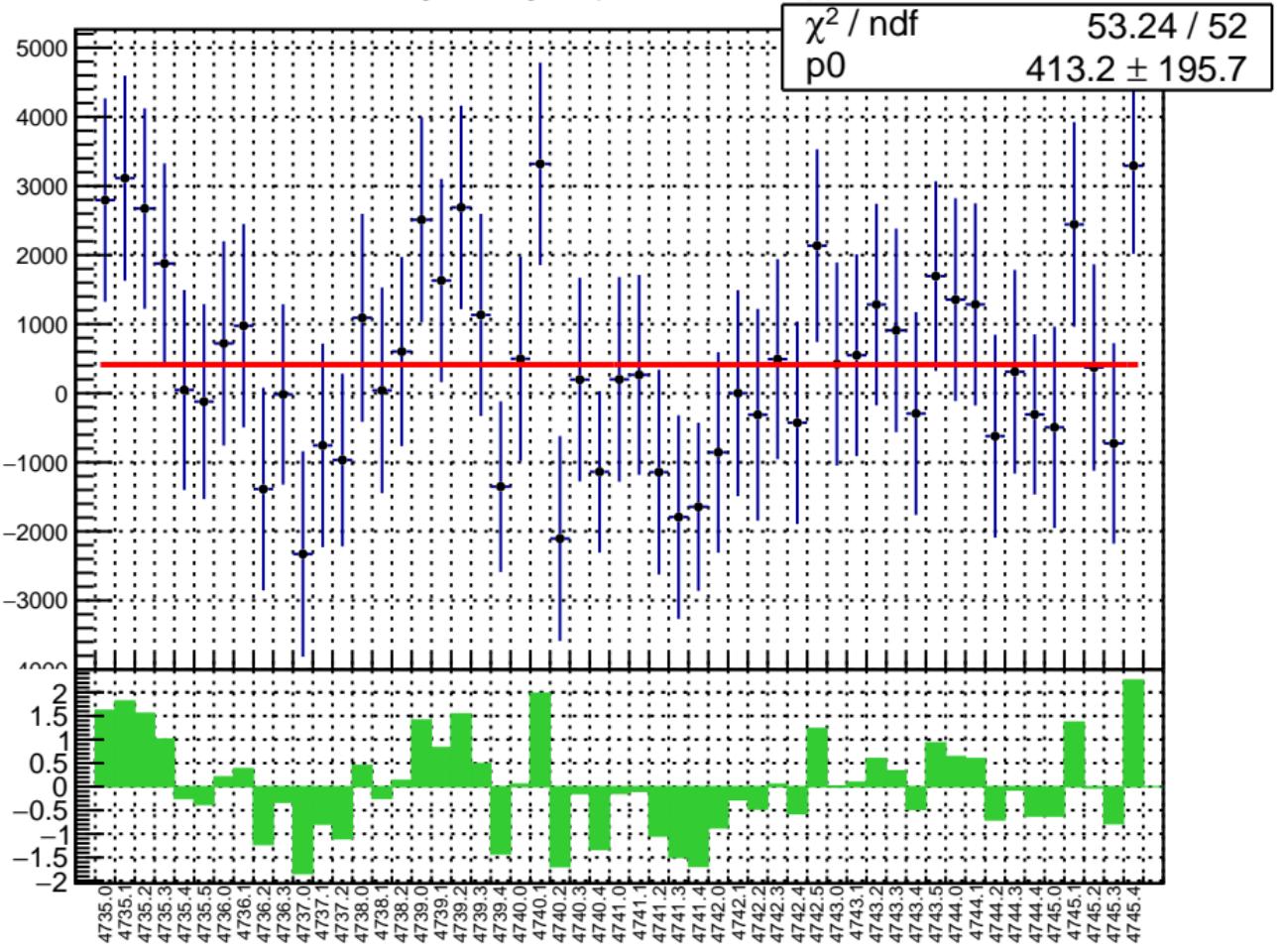


slug77: reg_asym_usr.rms/ppm

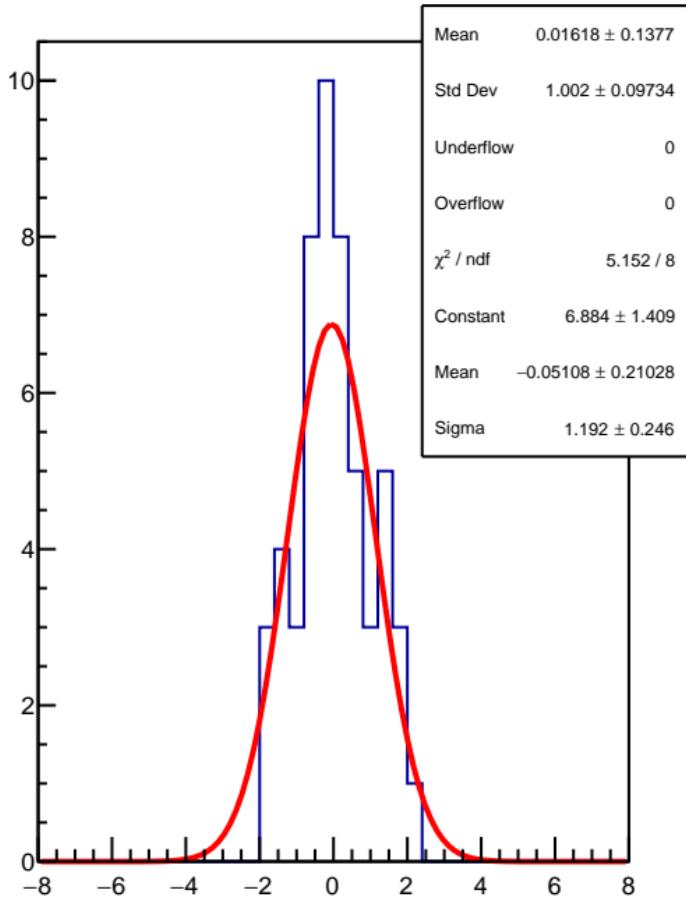
$\chi^2 / \text{ndf} : 0.58/52$
 $p0 : 130.32 \pm 1.57$



slug77: reg_asym_dsl.mean/ppb

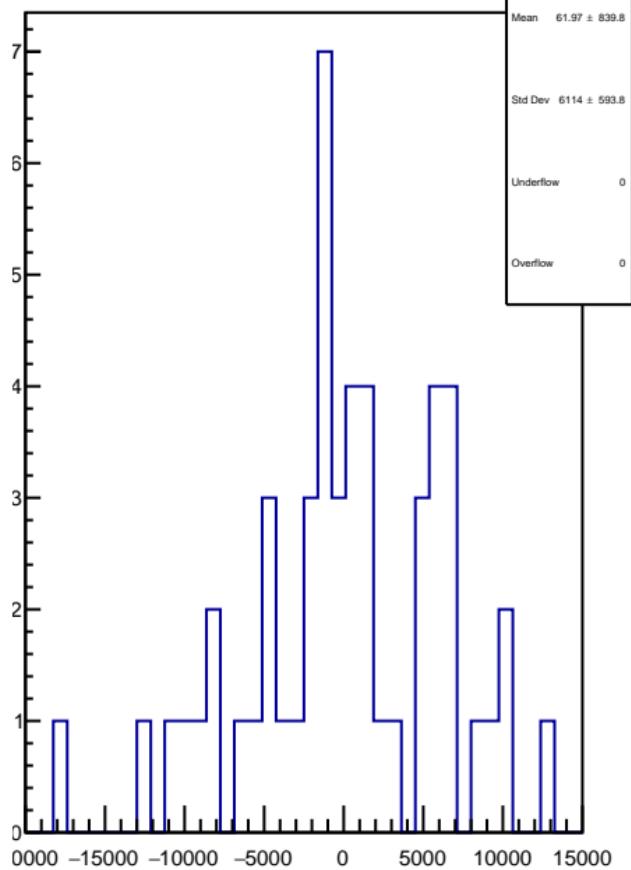
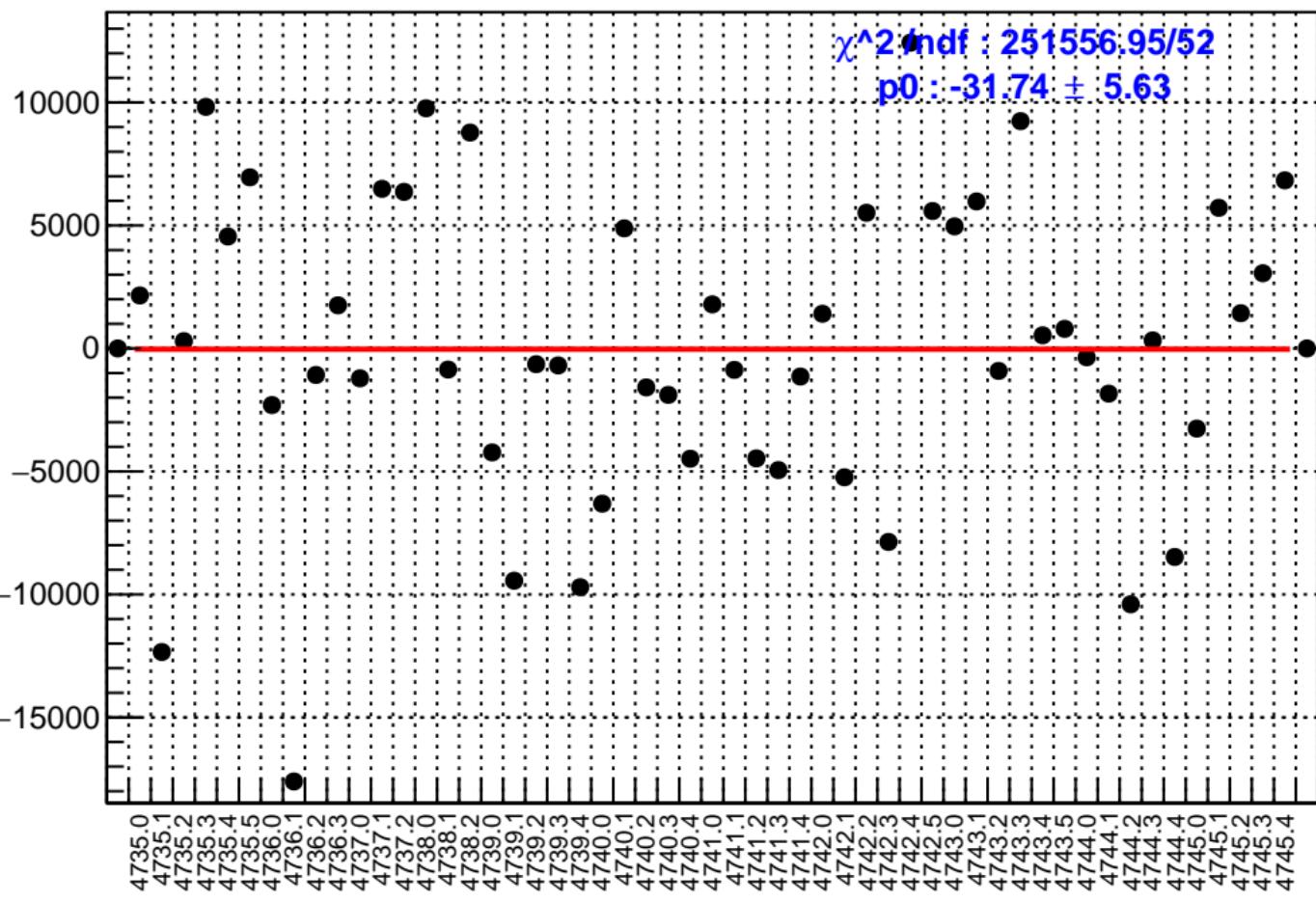


1D pull distribution

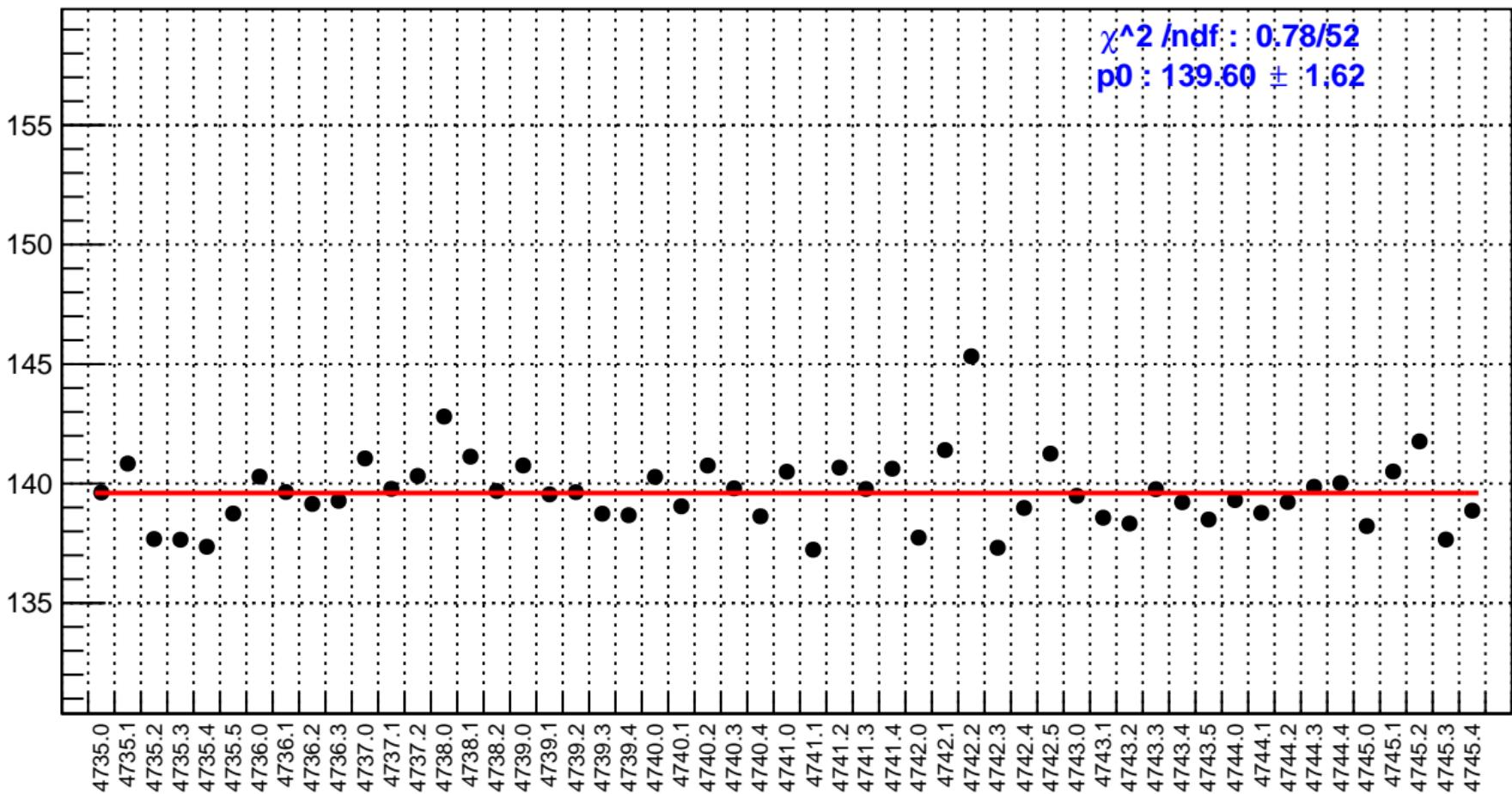


slug77: asym_dsl.mean/ppb-reg_asym_dsl.mean/ppb

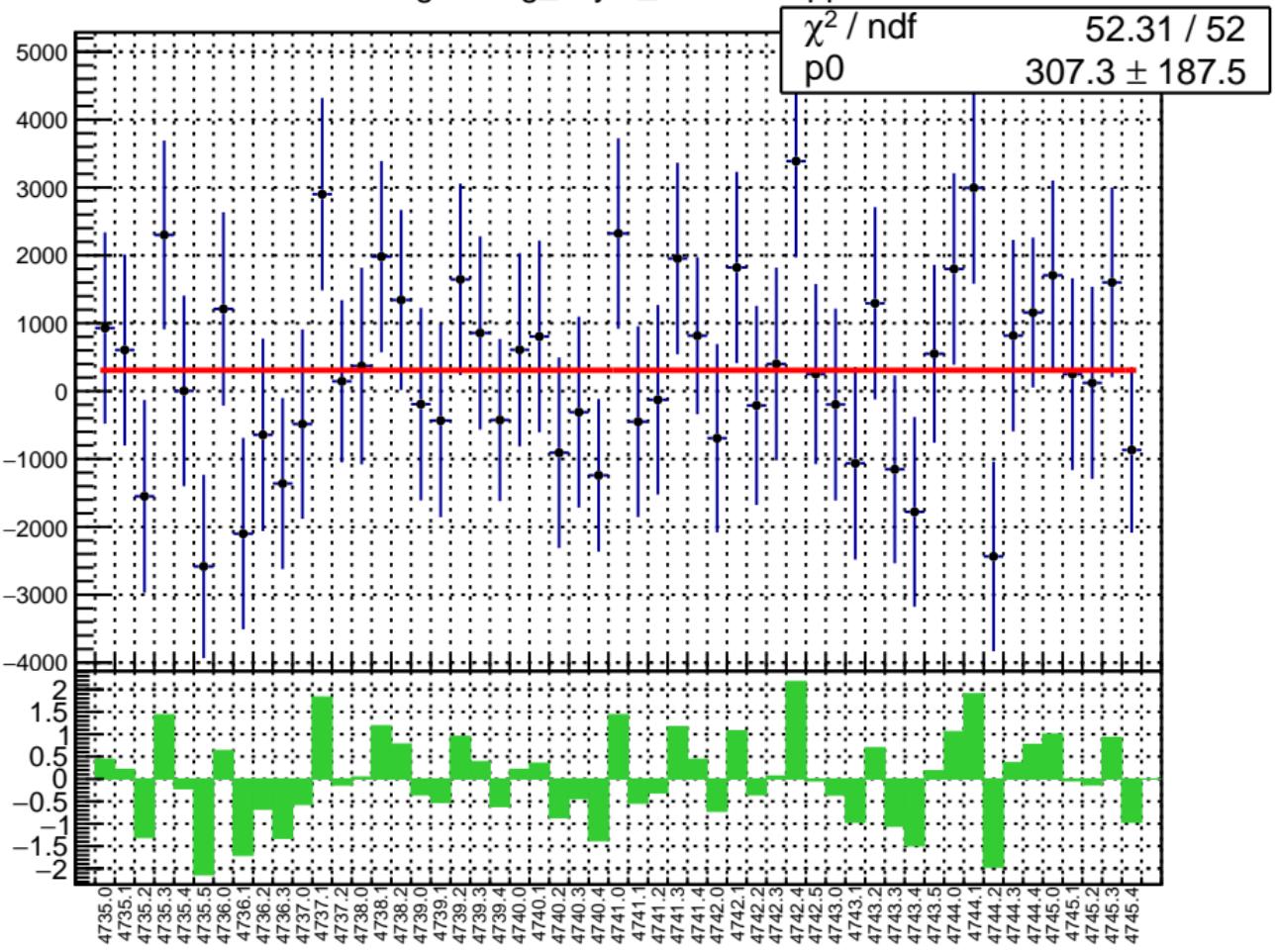
slug77: 1D Corr asym_dsl.mean/ppb-reg_asym_dsl.mean/ppb



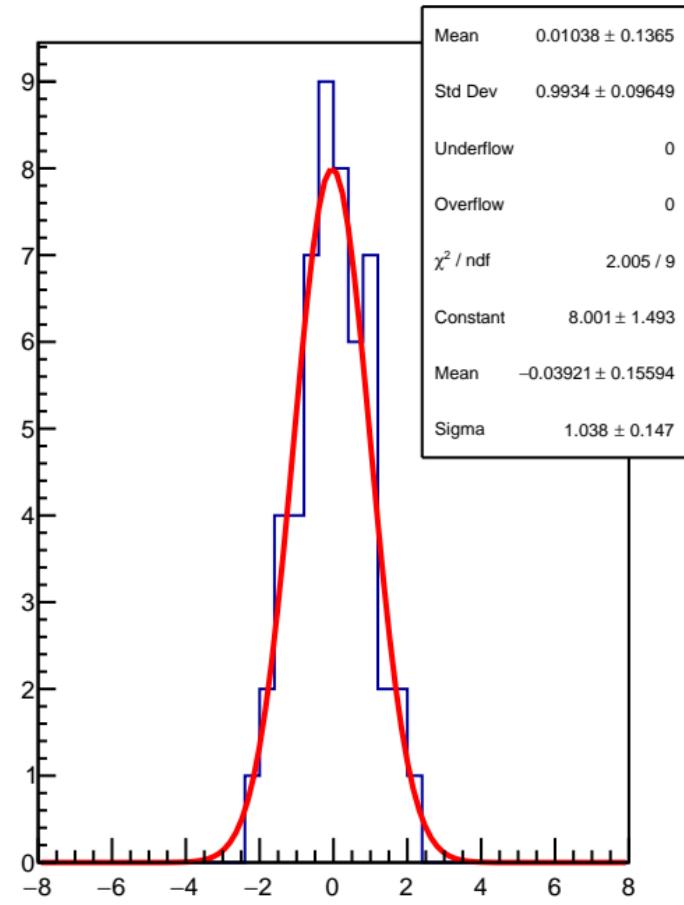
slug77: reg_asym_dsl.rms/ppm



slug77: reg_asym_dsr.mean/ppb

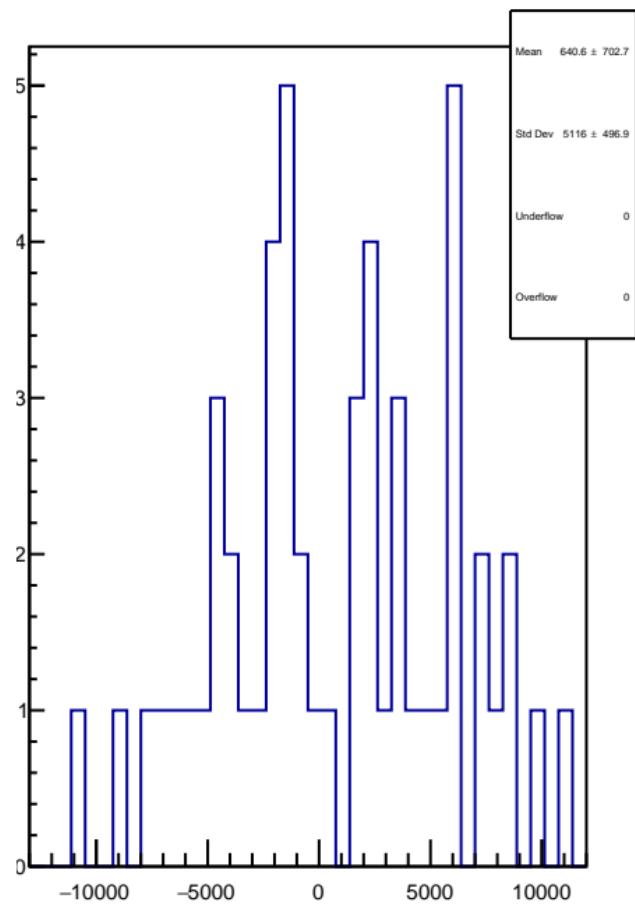
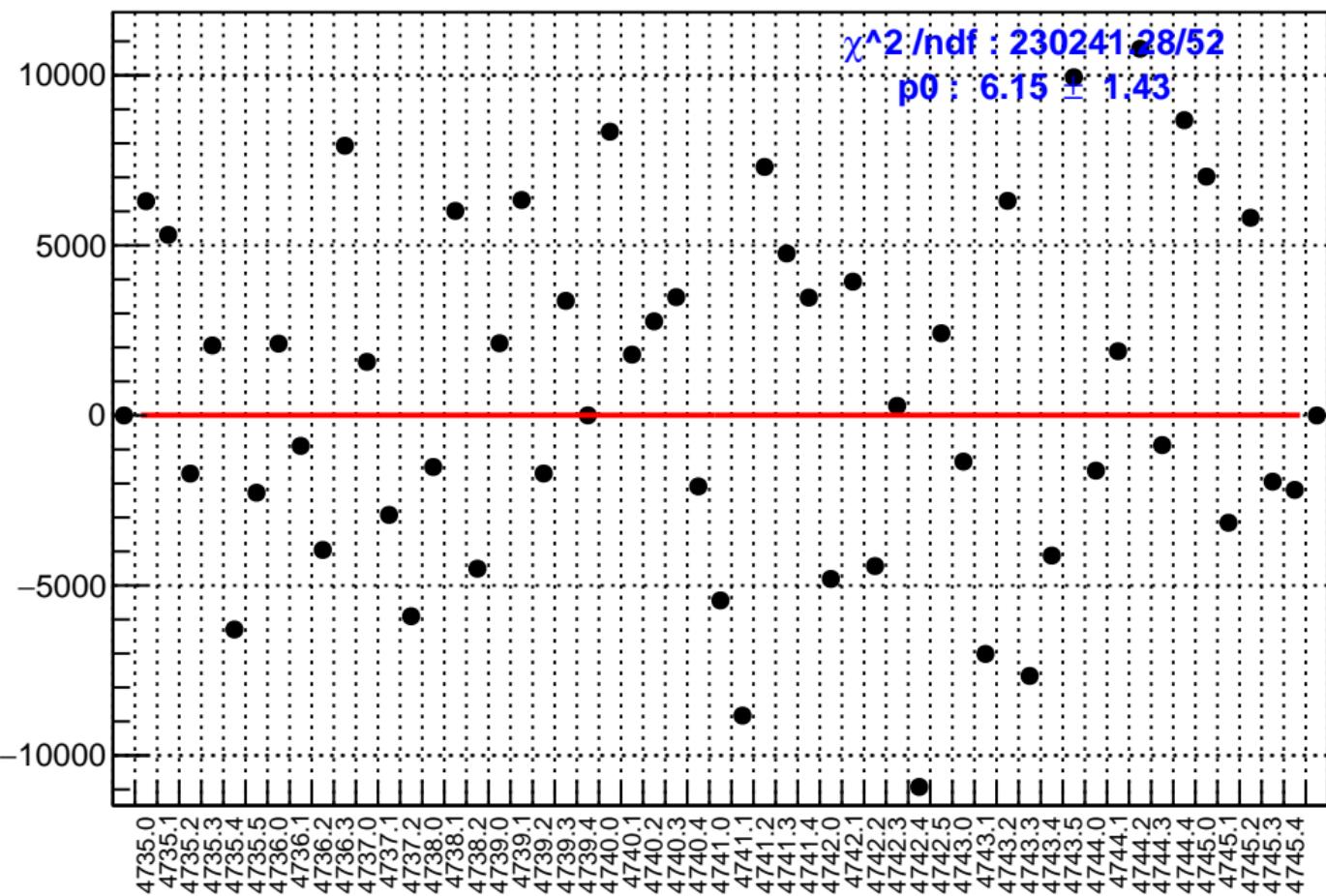


1D pull distribution

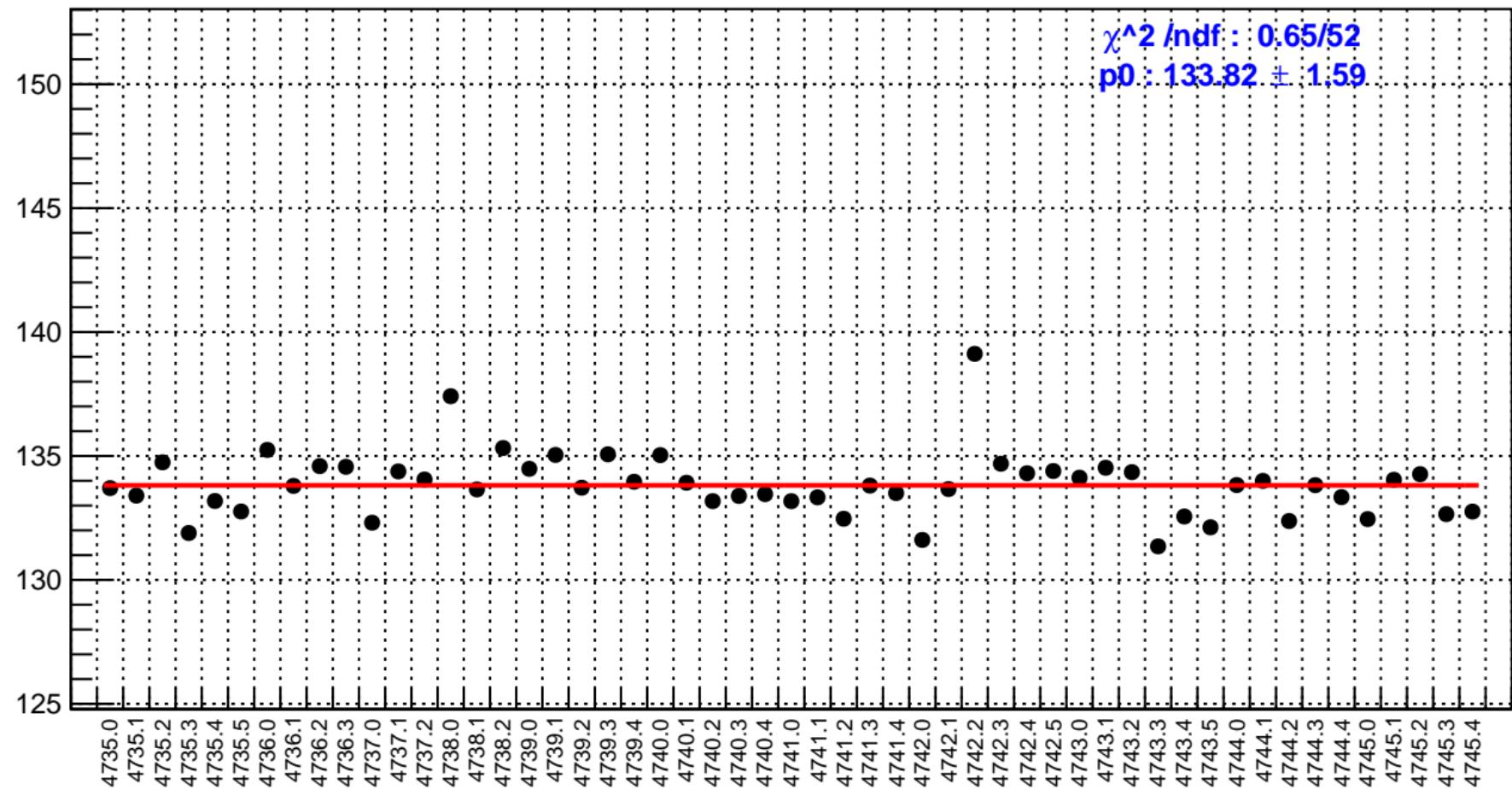


slug77: asym_dsr.mean/ppb-reg_asym_dsr.mean/ppb

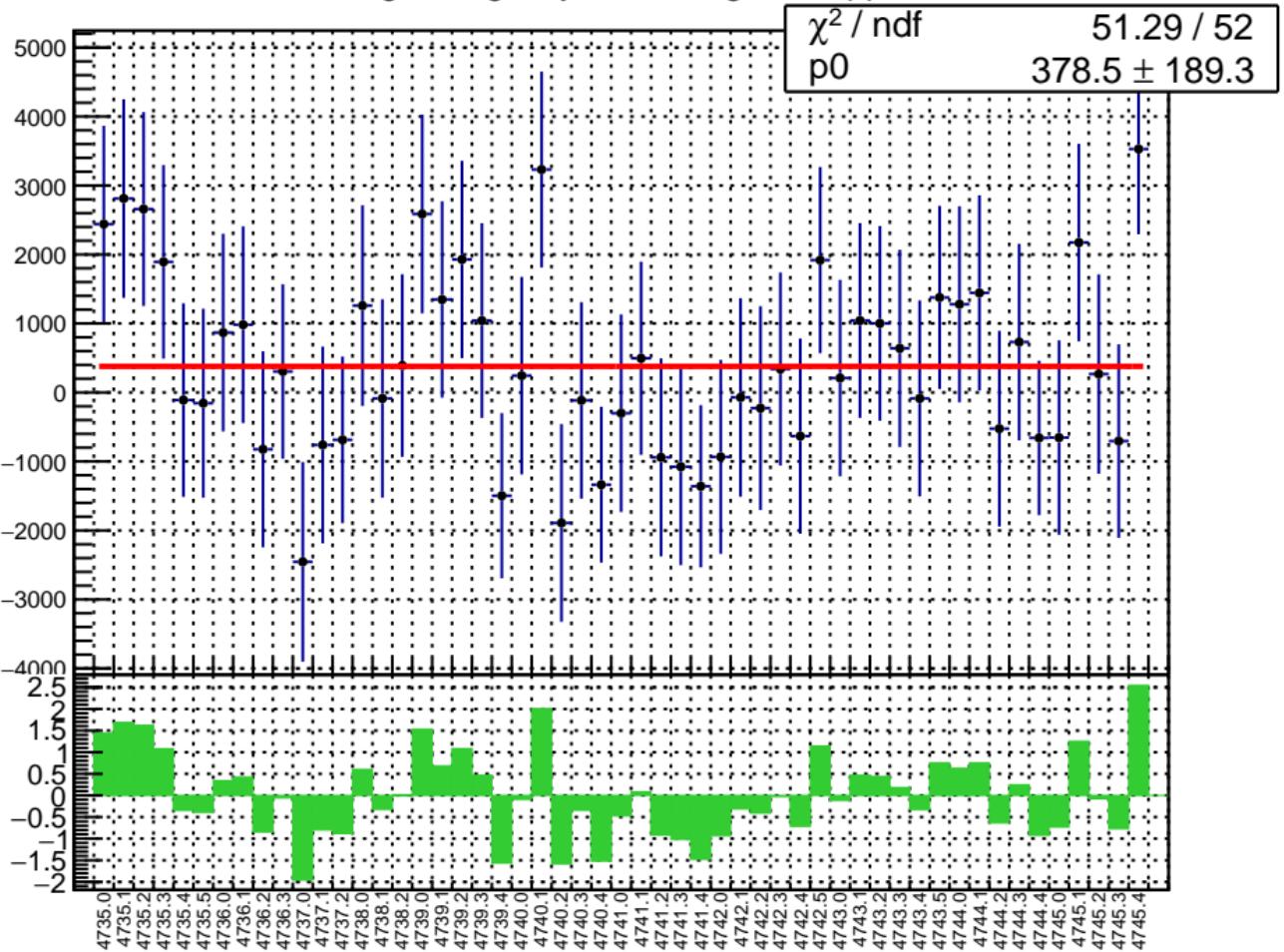
slug77: 1D Corr asym_dsr.mean/ppb-reg_asym_dsr.mean/ppb



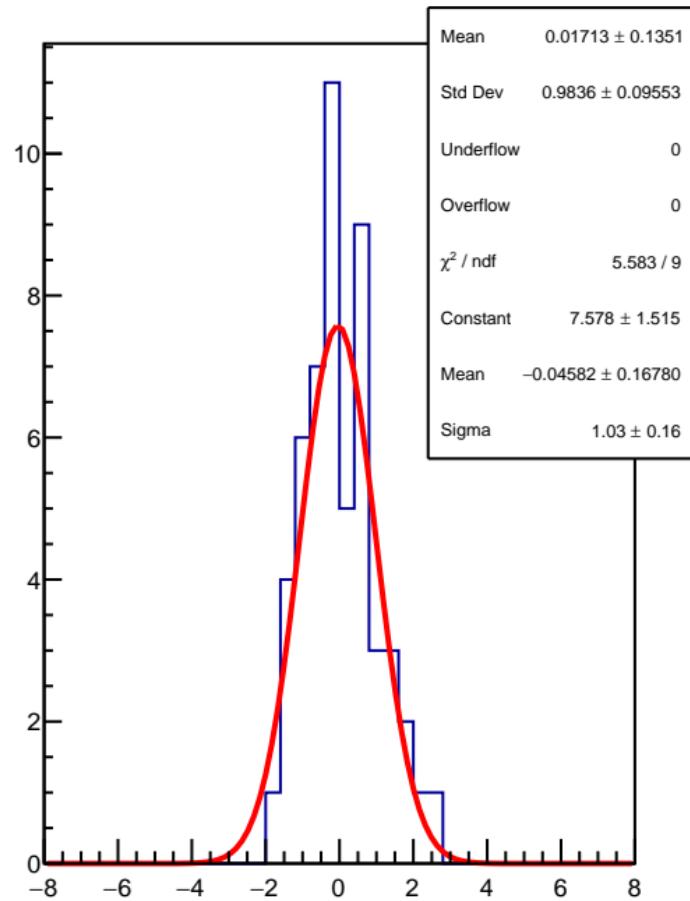
slug77: reg_asym_dsr.rms/ppm



slug77: reg_asym_left_avg.mean/ppb

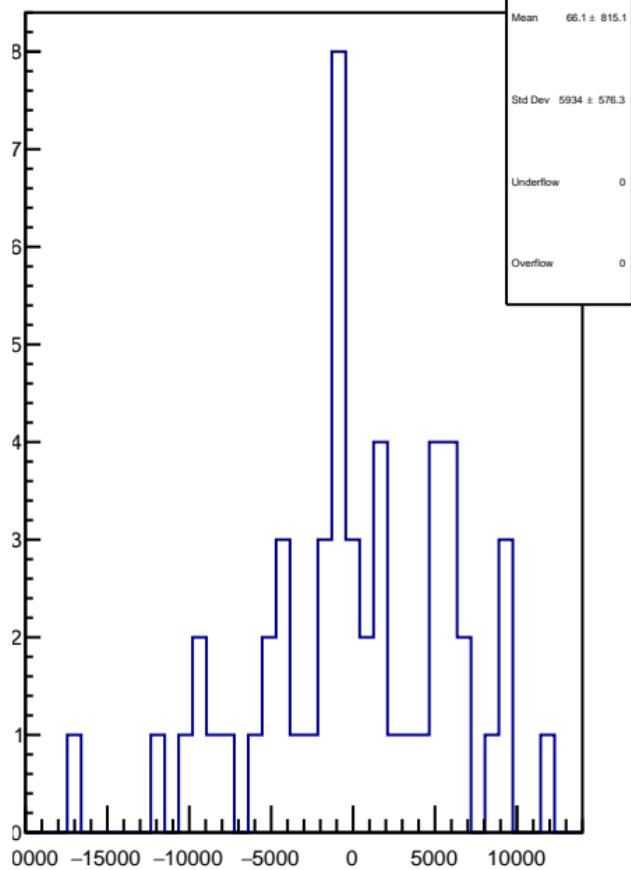
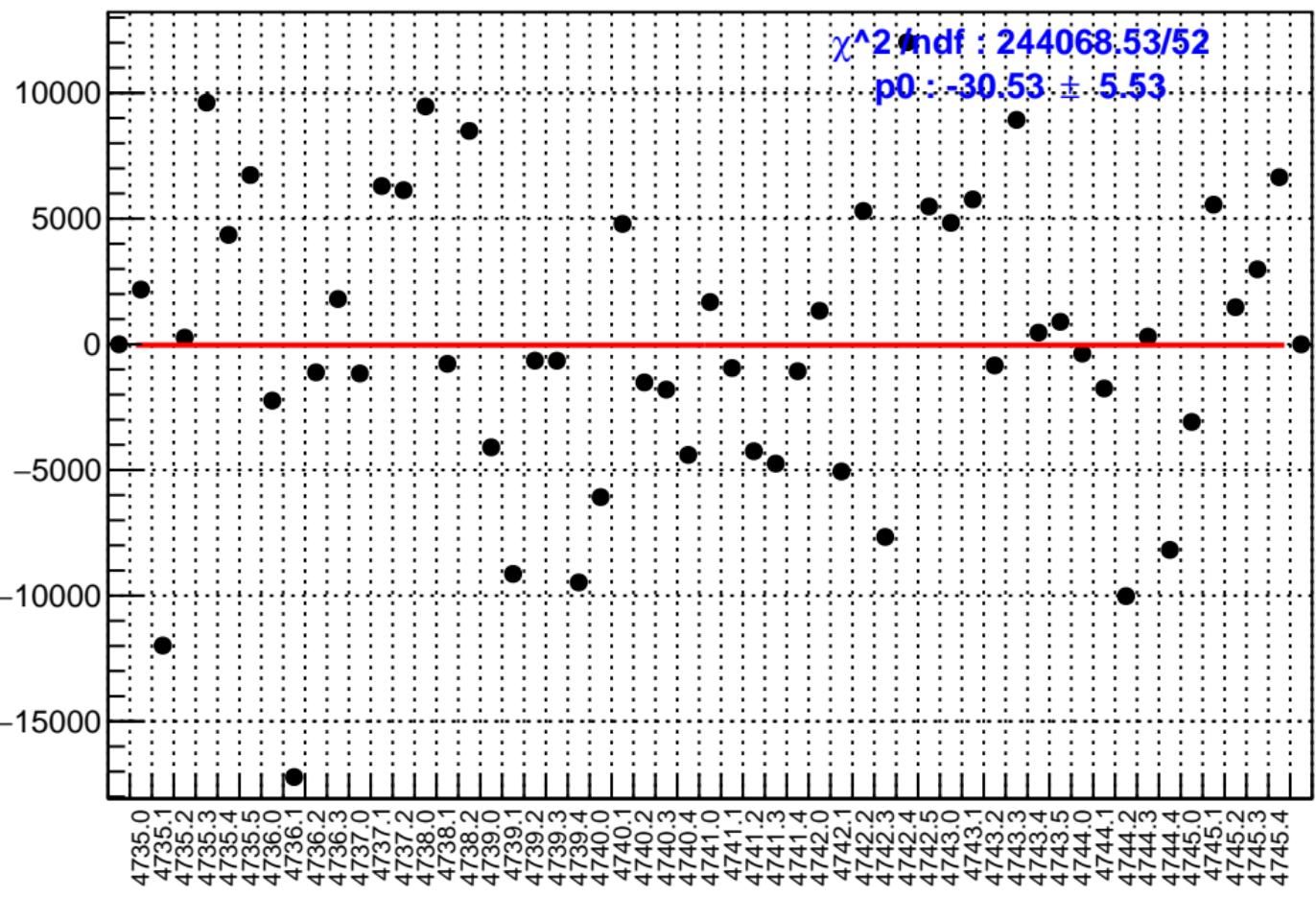


1D pull distribution

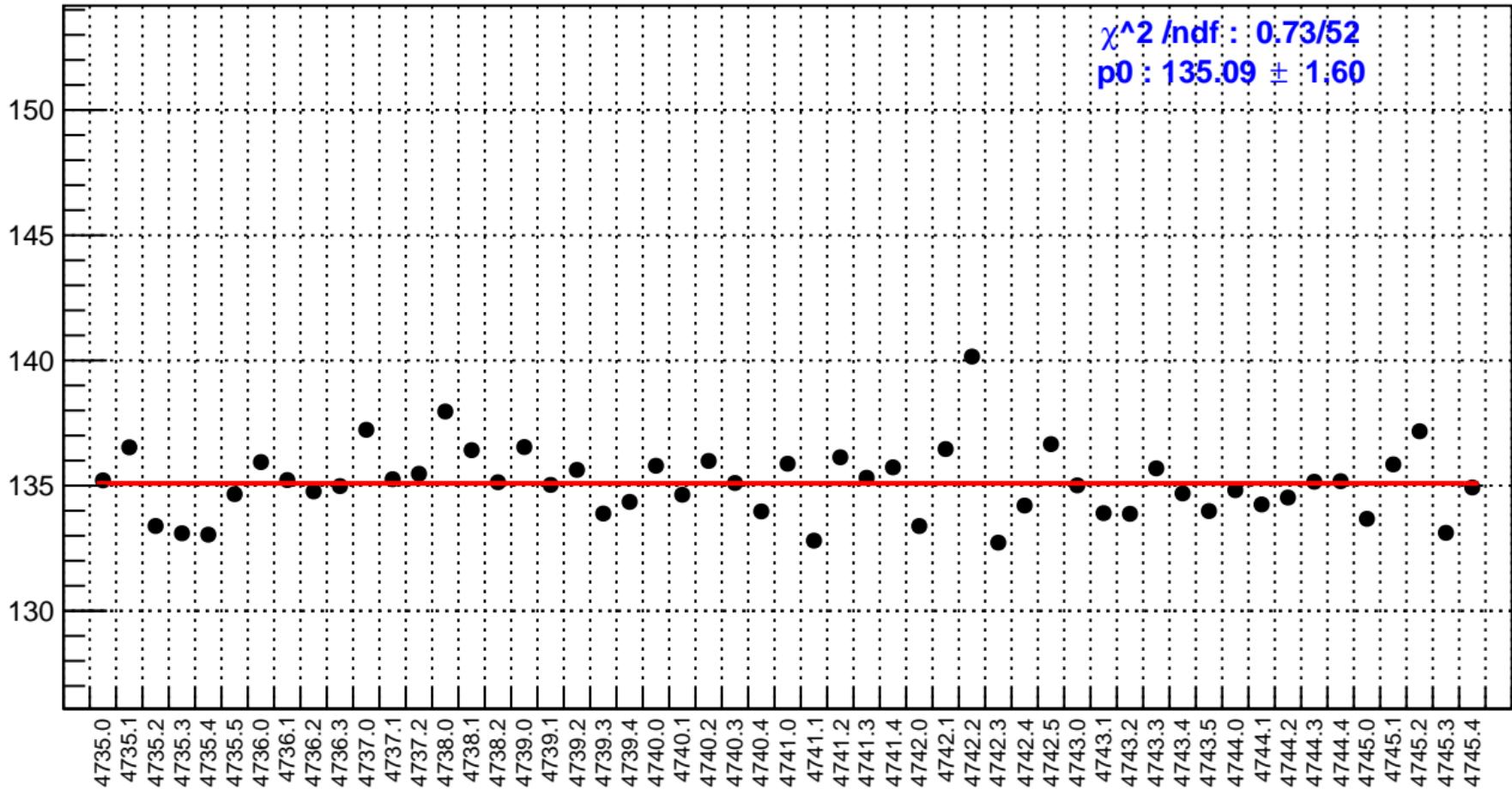


slug77: asym_left_avg.mean/ppb-reg_asym_left_avg.mean/ppb

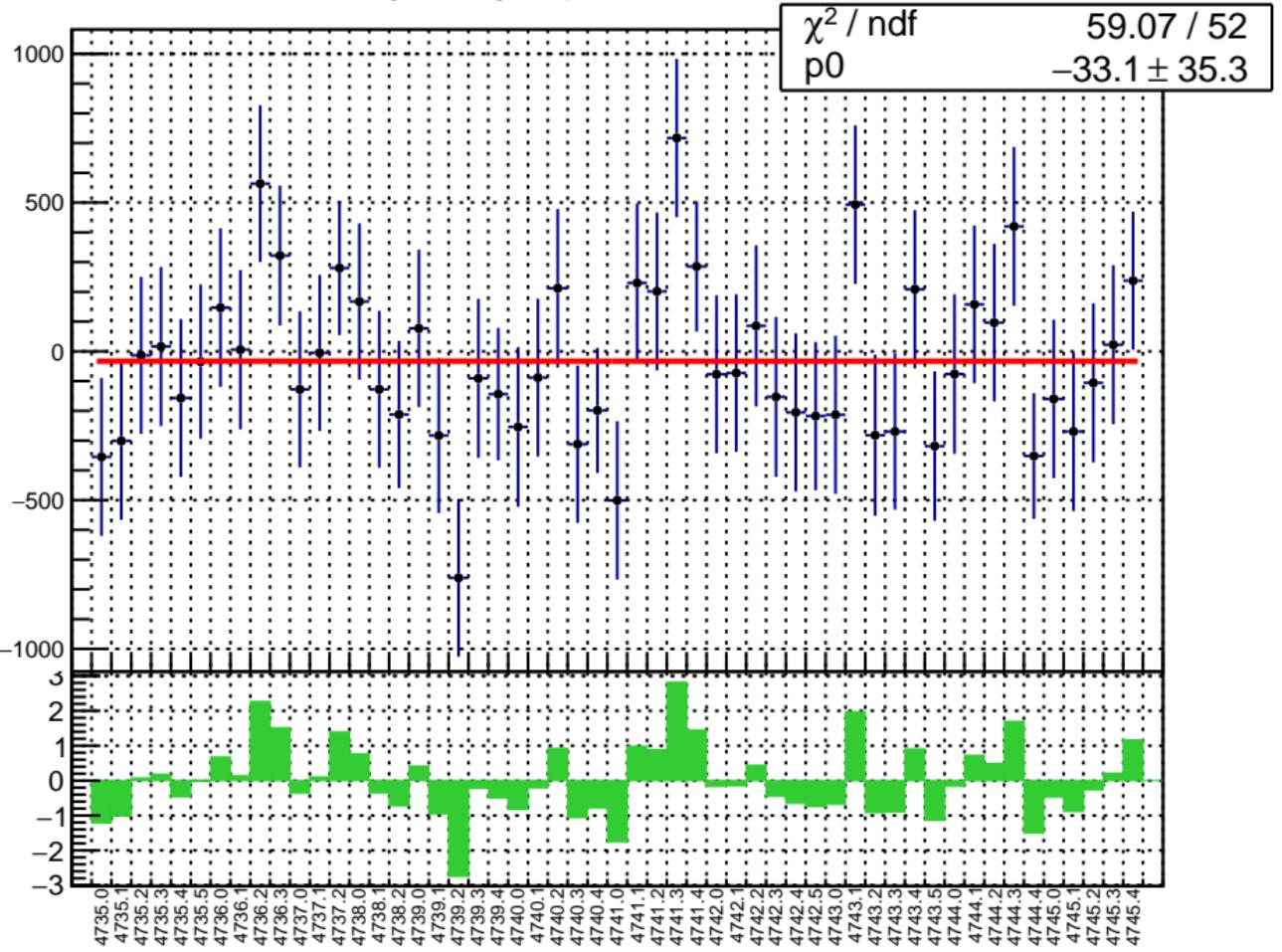
slug77: 1D Corr asym_left_avg.mean/ppb-reg_asym_left_avg.mean/ppb



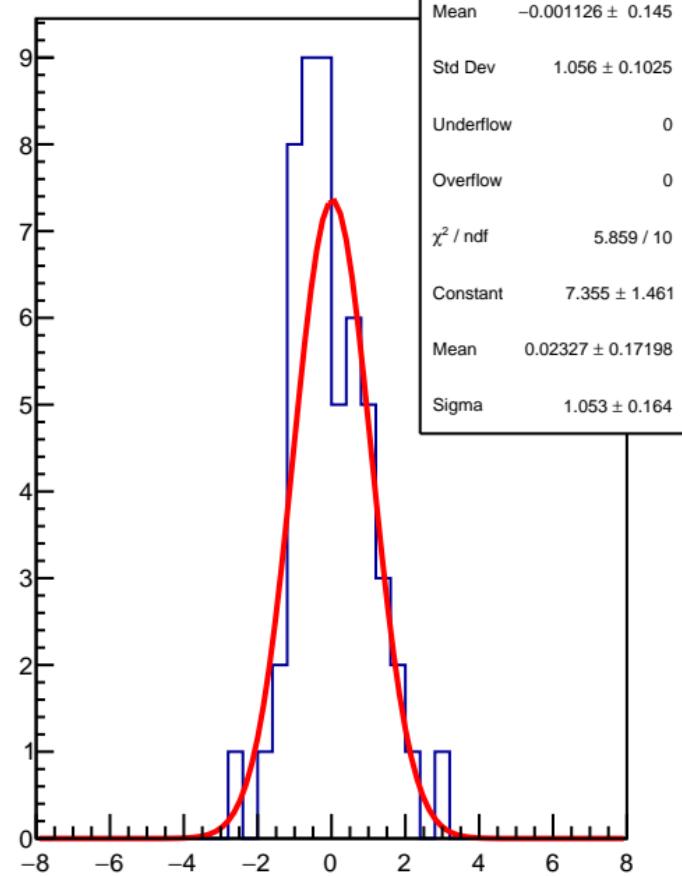
slug77: reg_asym_left_avg.rms/ppm

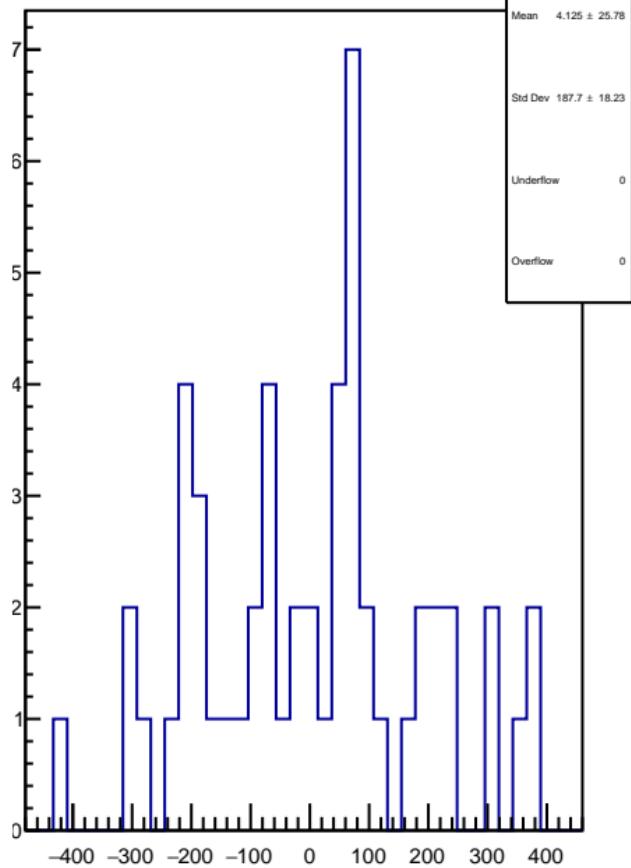
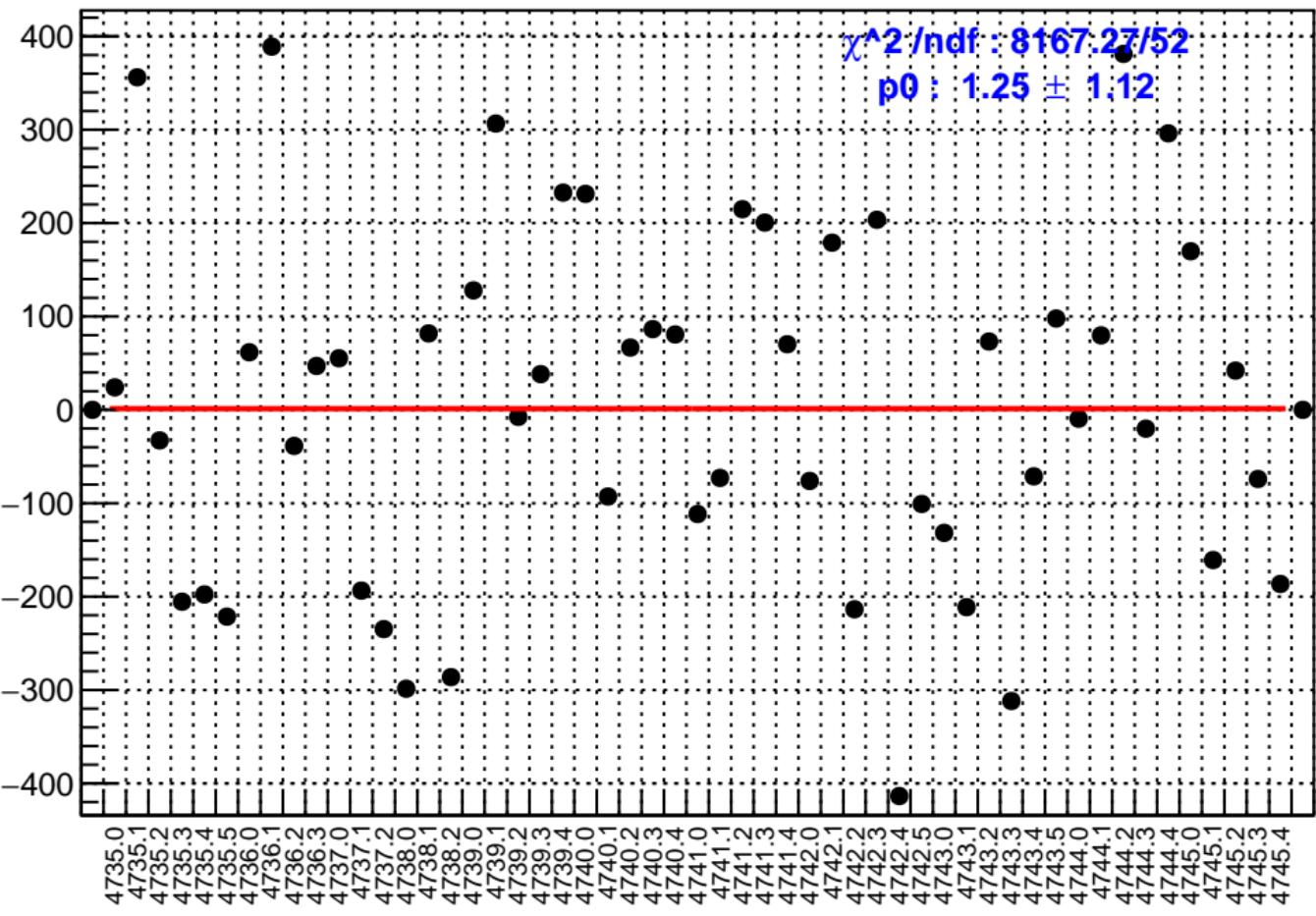


slug77: reg_asym_left_dd.mean/ppb

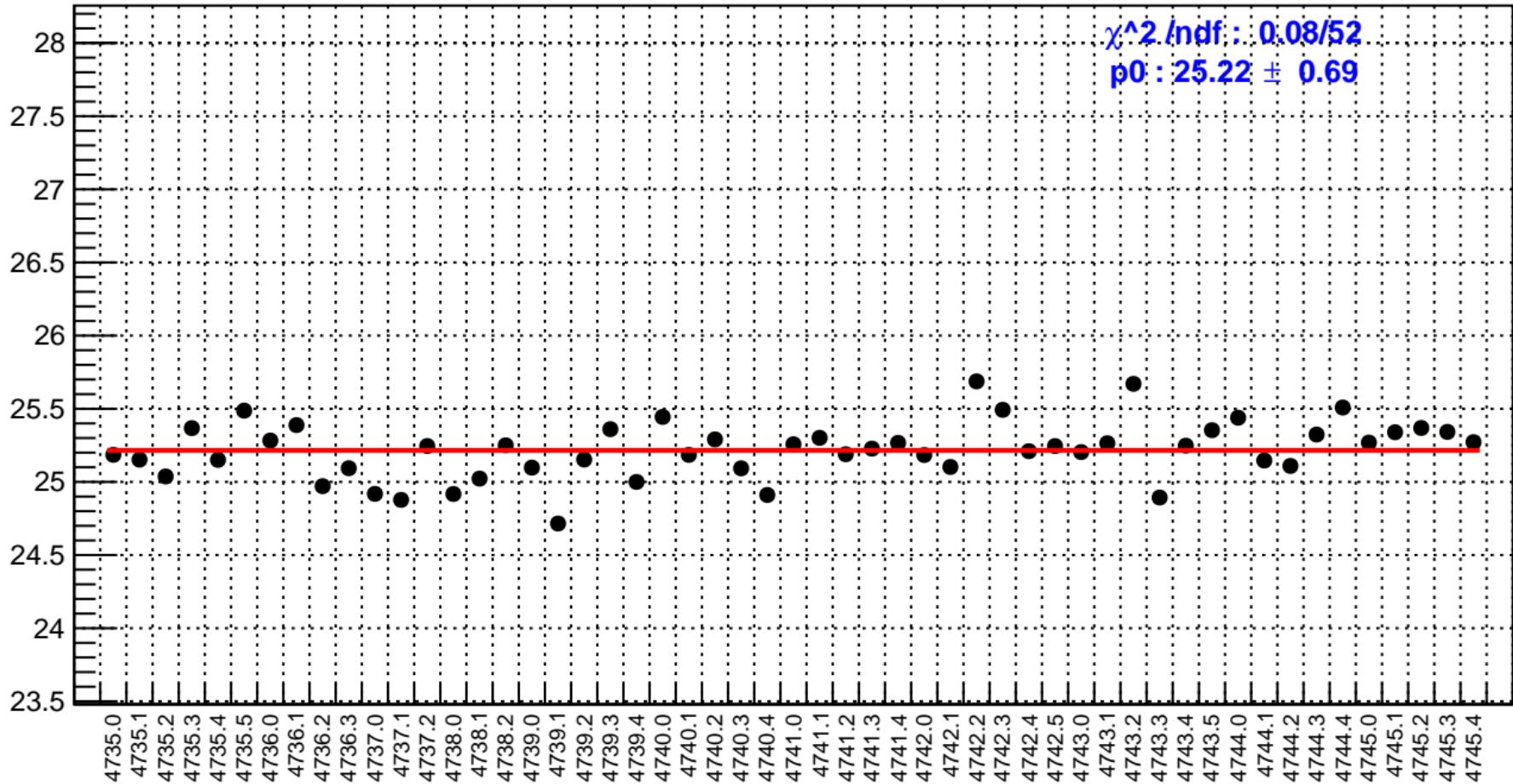


1D pull distribution

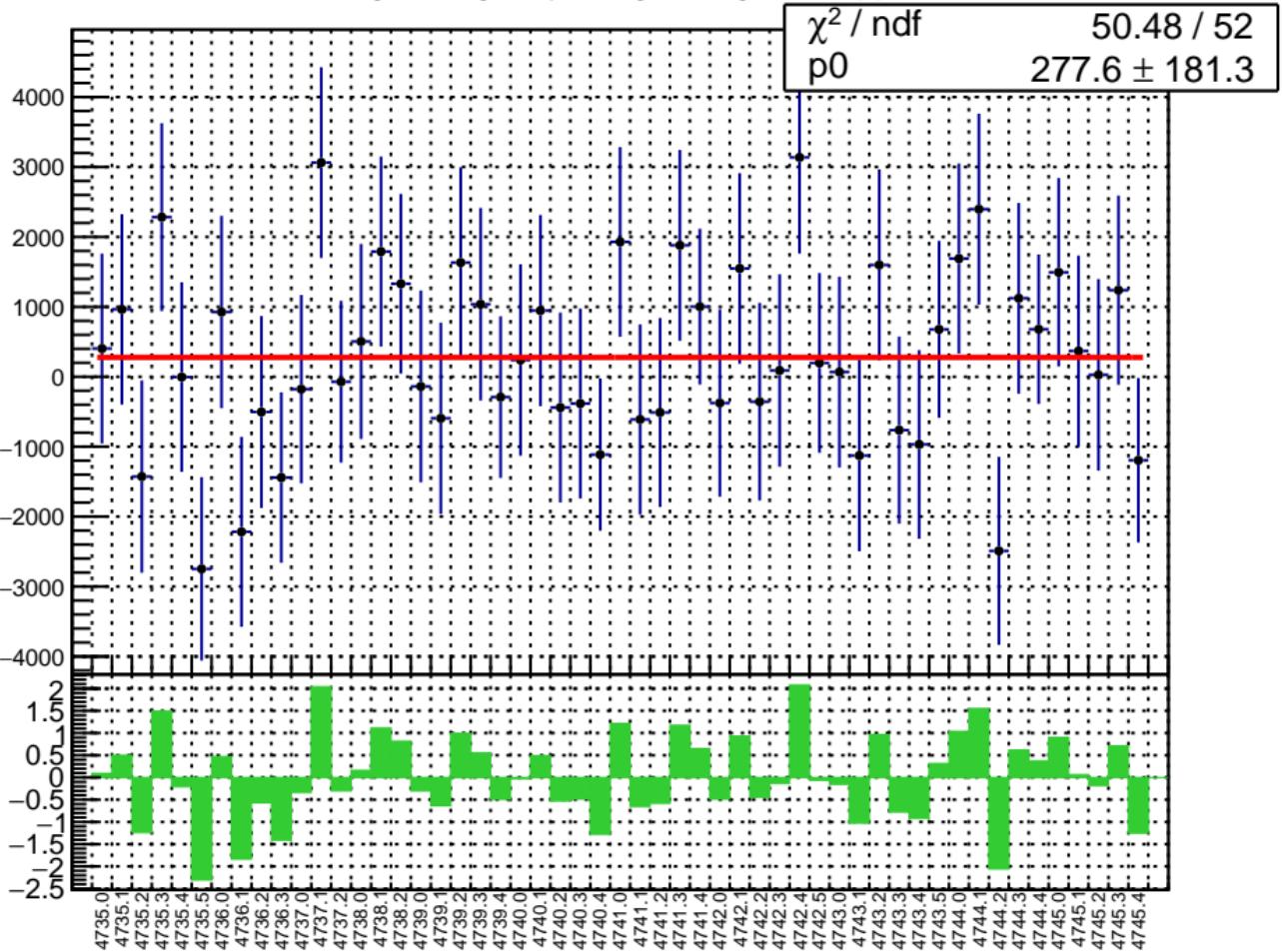




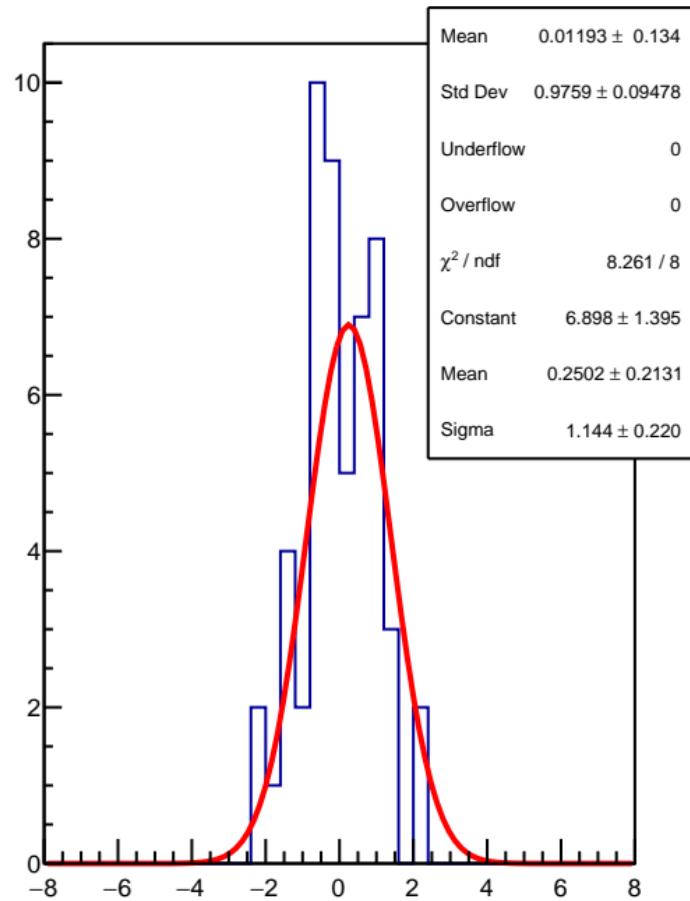
slug77: reg_asym_left_dd.rms/ppm



slug77: reg_asym_right_avg.mean/ppb

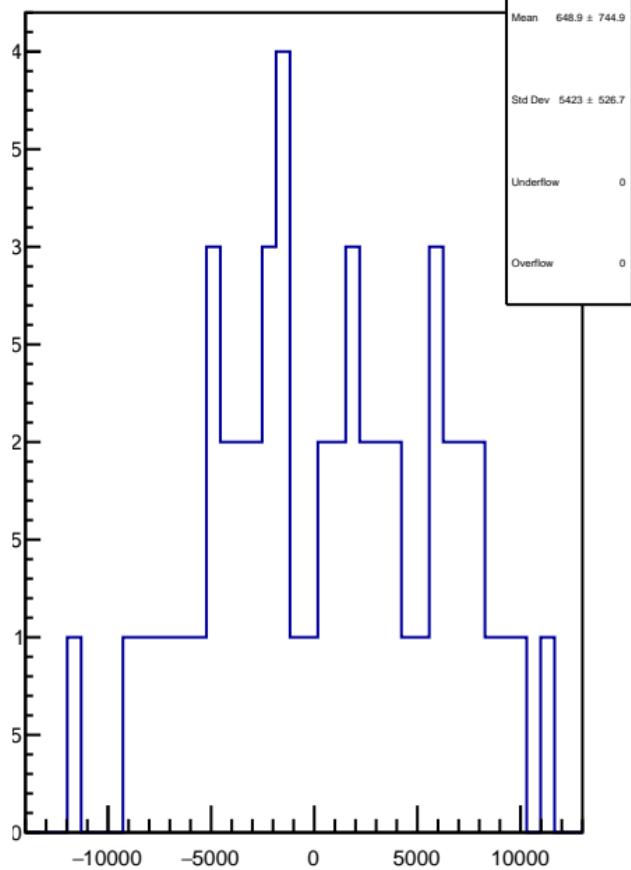
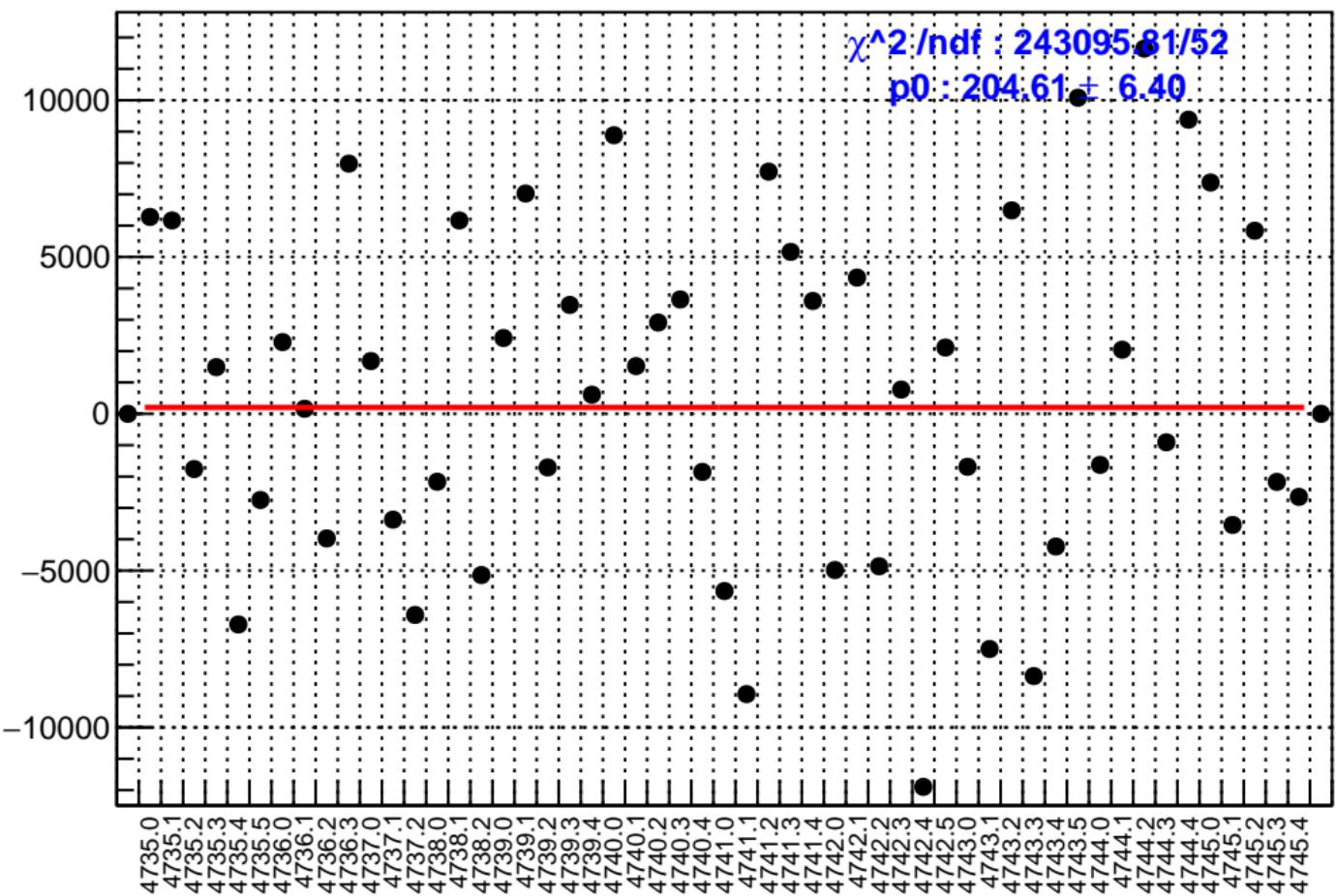


1D pull distribution

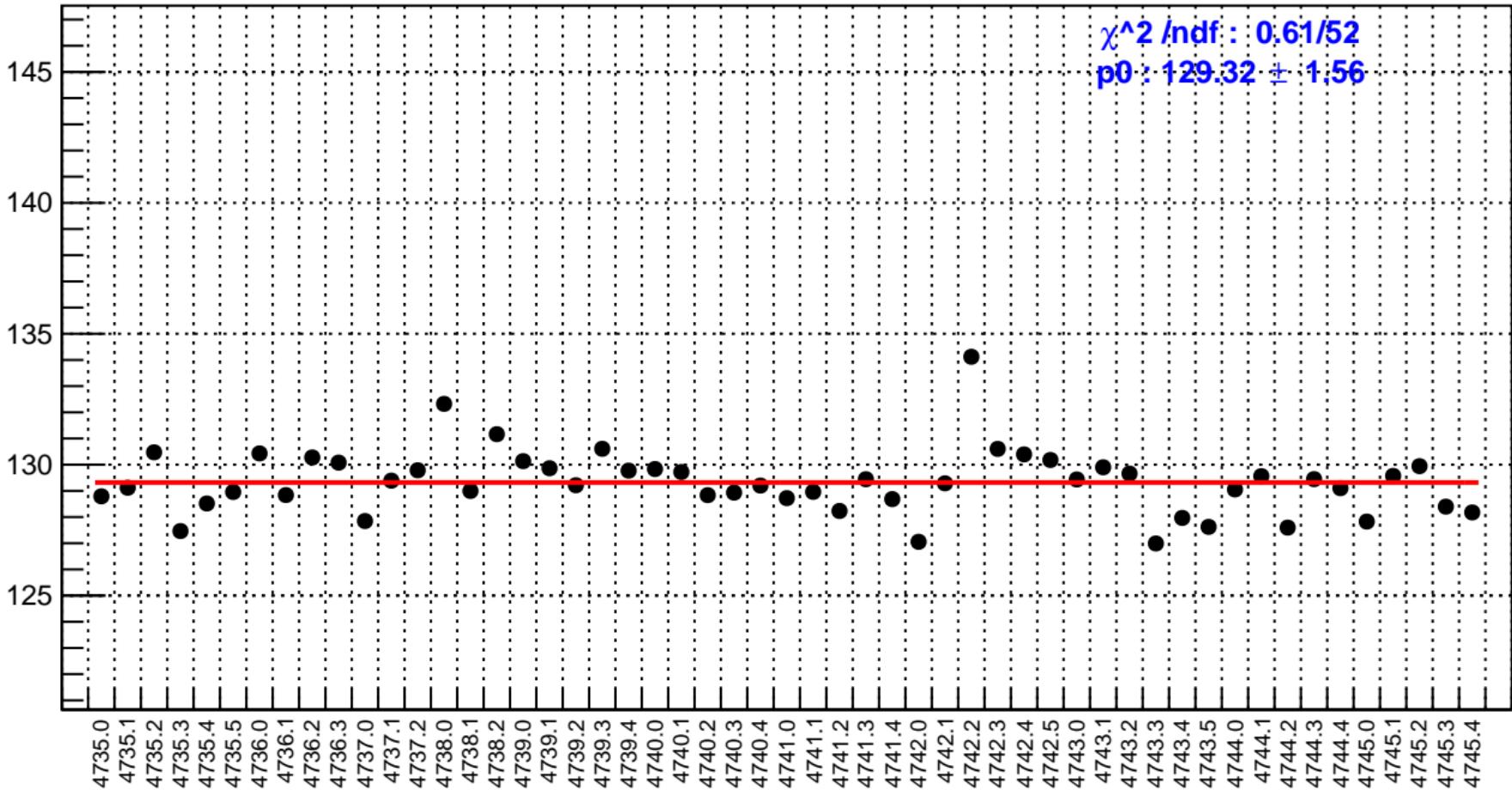


slug77: asym_right_avg.mean/ppb-reg_asym_right_avg.mean/ppb

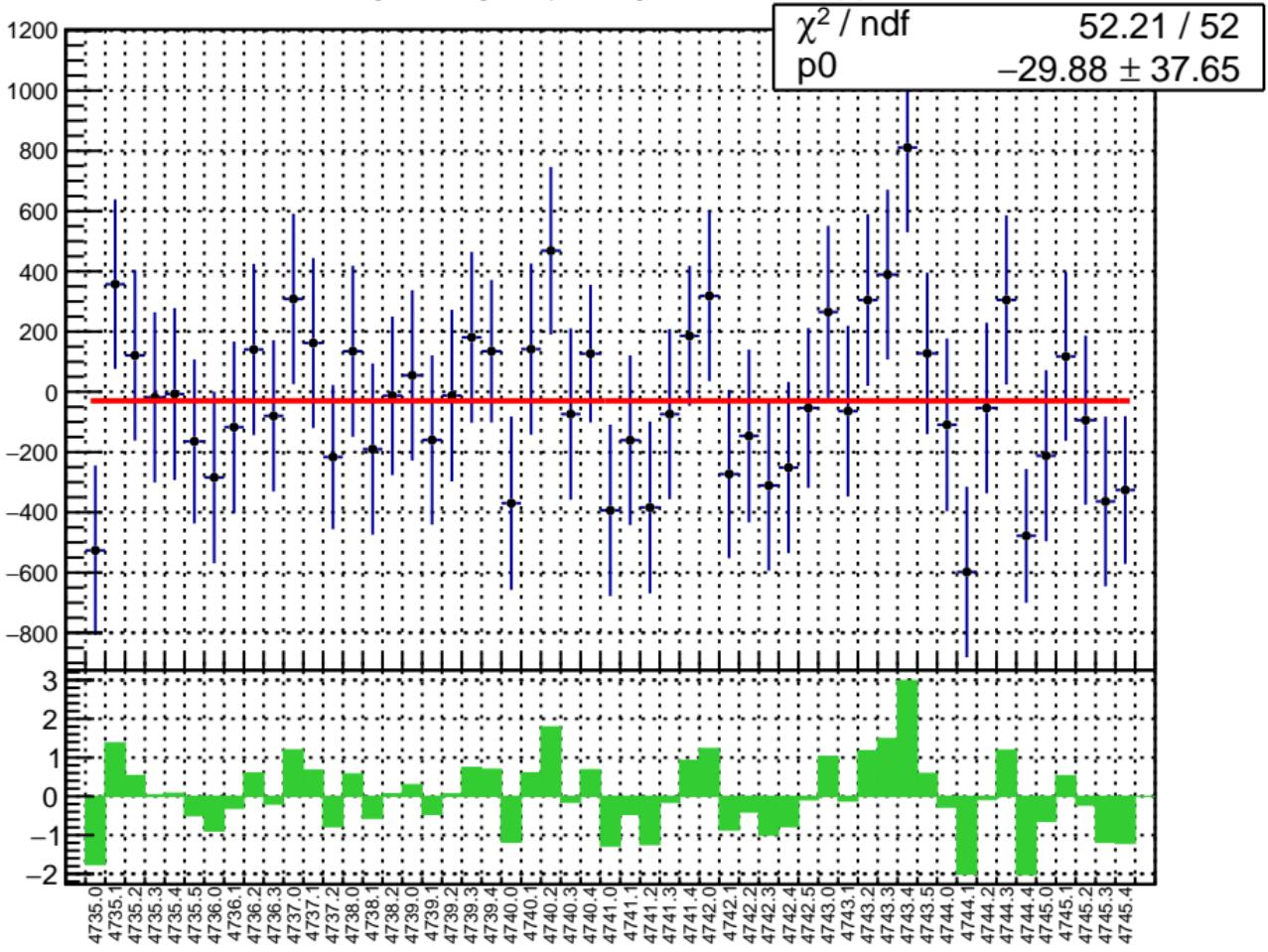
slug77: 1D Corr asym_right_avg.mean/ppb-reg_asym_right_avg.mean/ppb



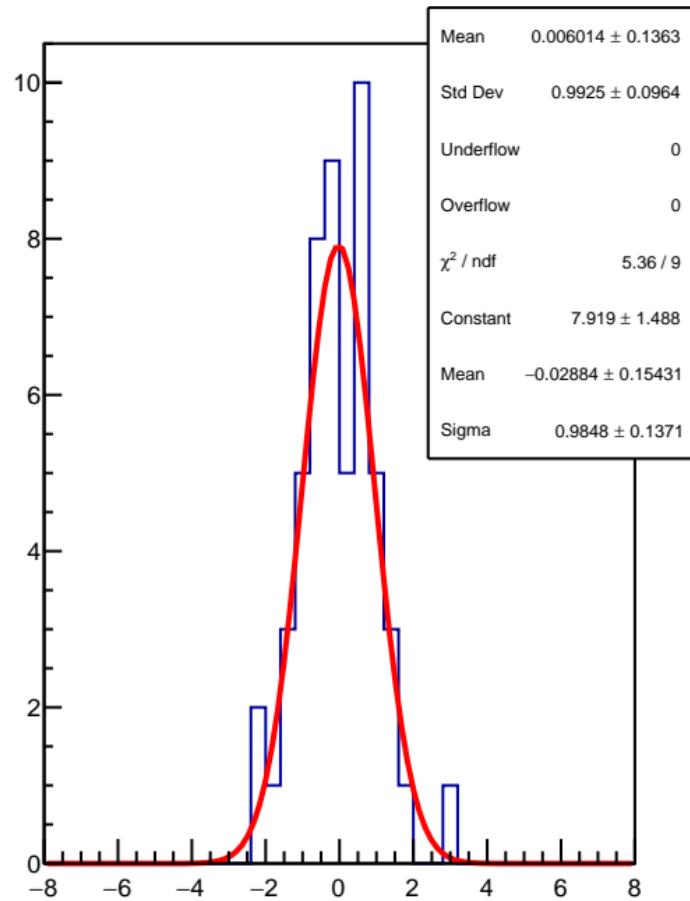
slug77: reg_asym_right_avg.rms/ppm



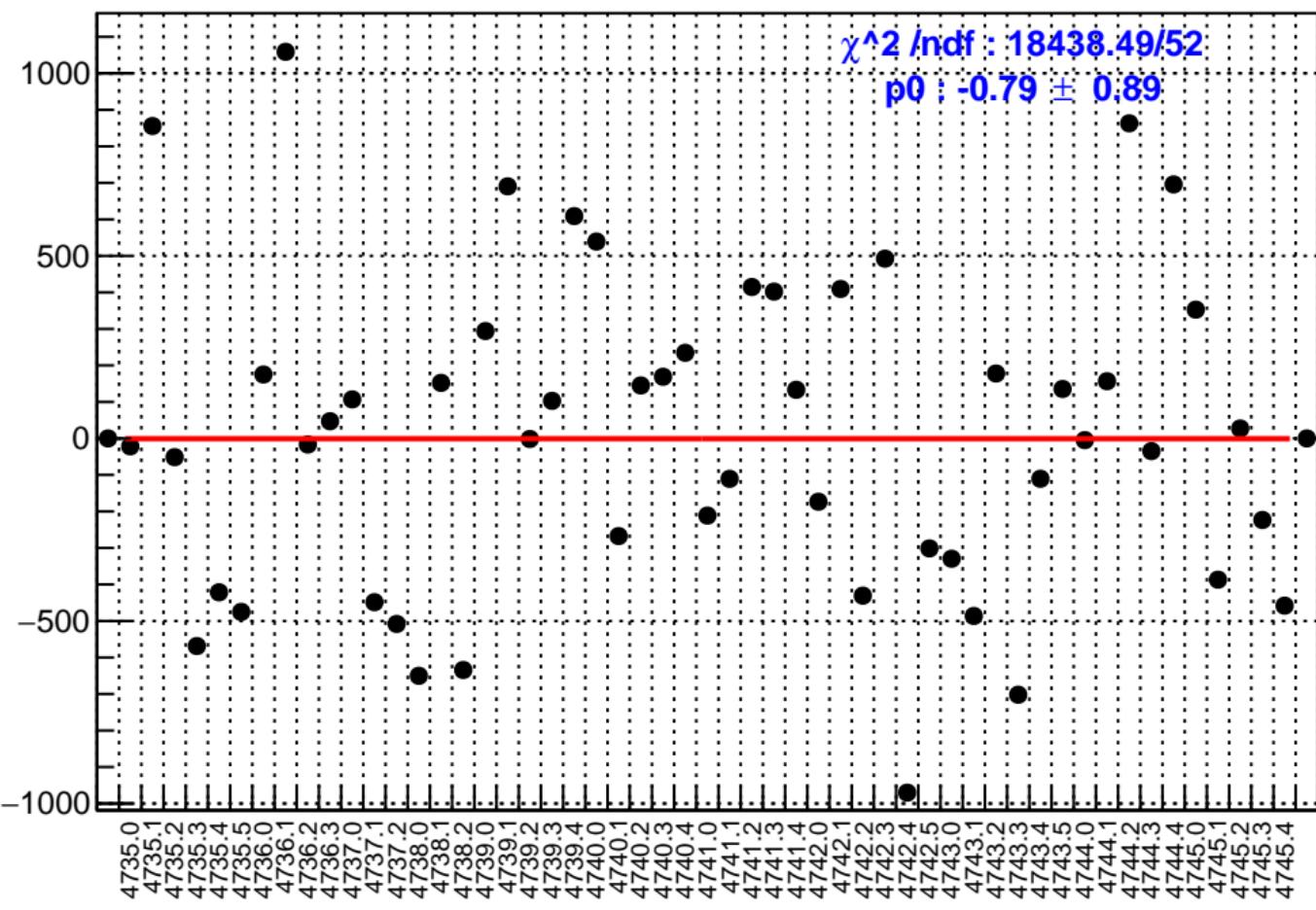
slug77: reg_asym_right_dd.mean/ppb



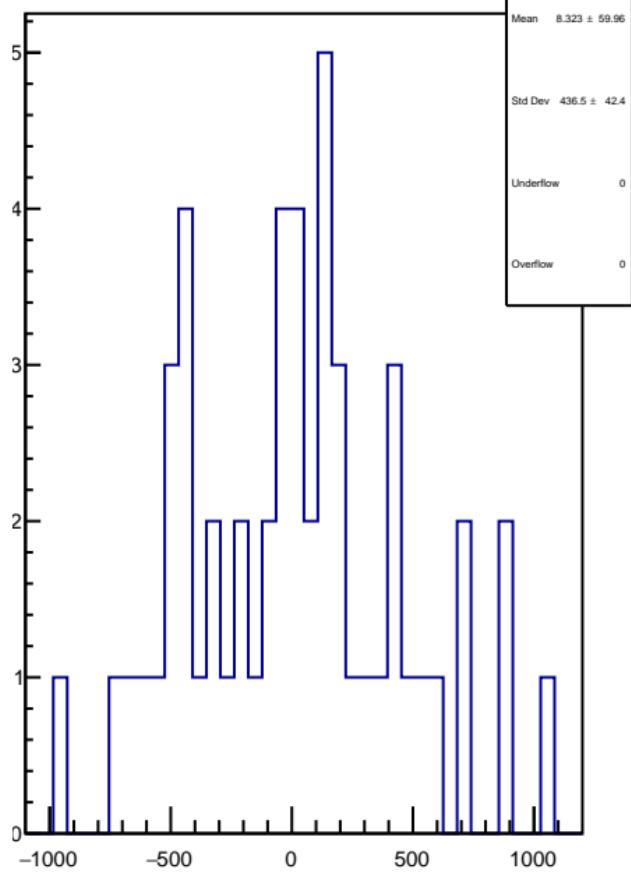
1D pull distribution



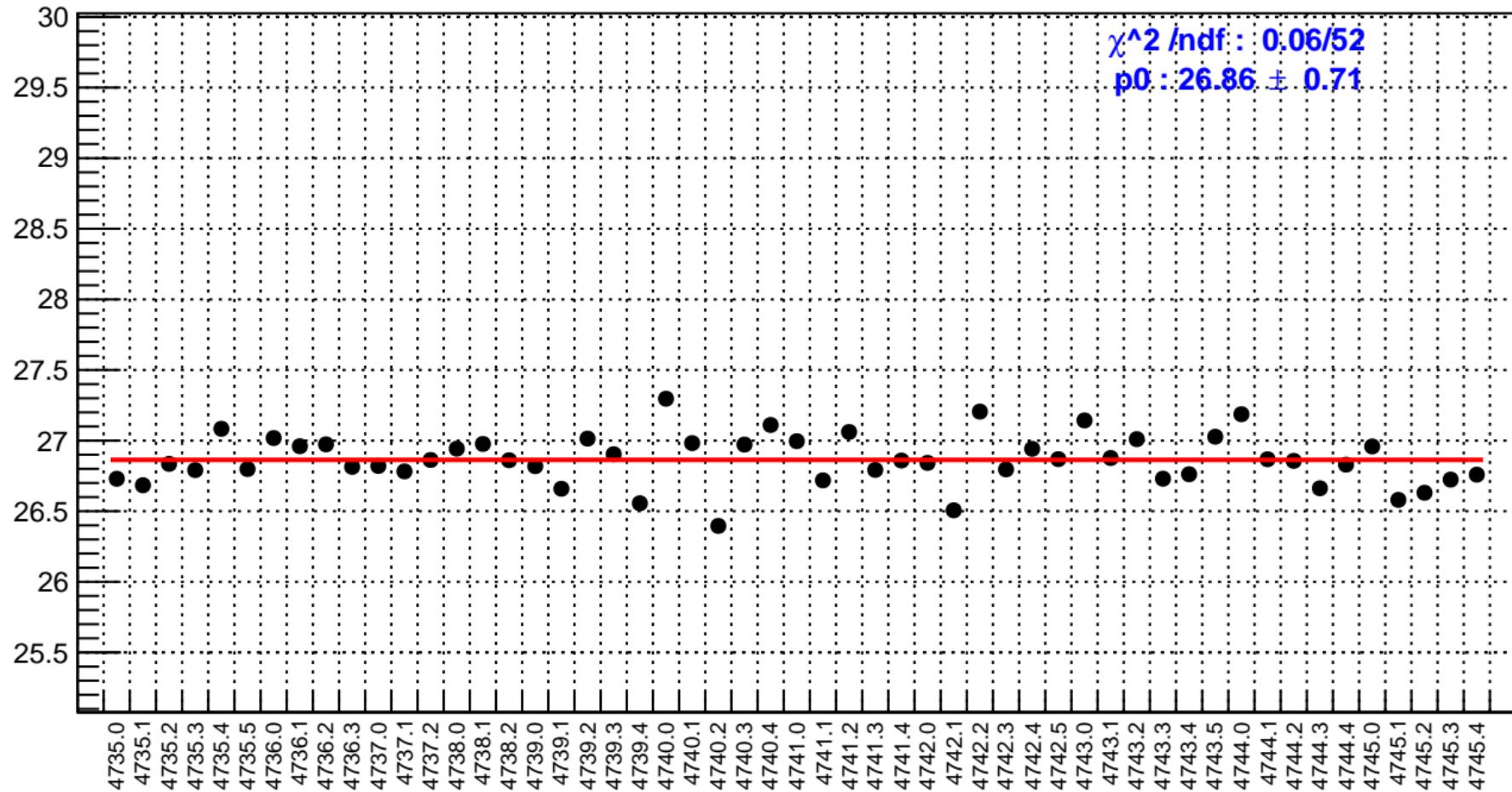
slug77: asym_right_dd.mean/ppb-reg_asym_right_dd.mean/ppb



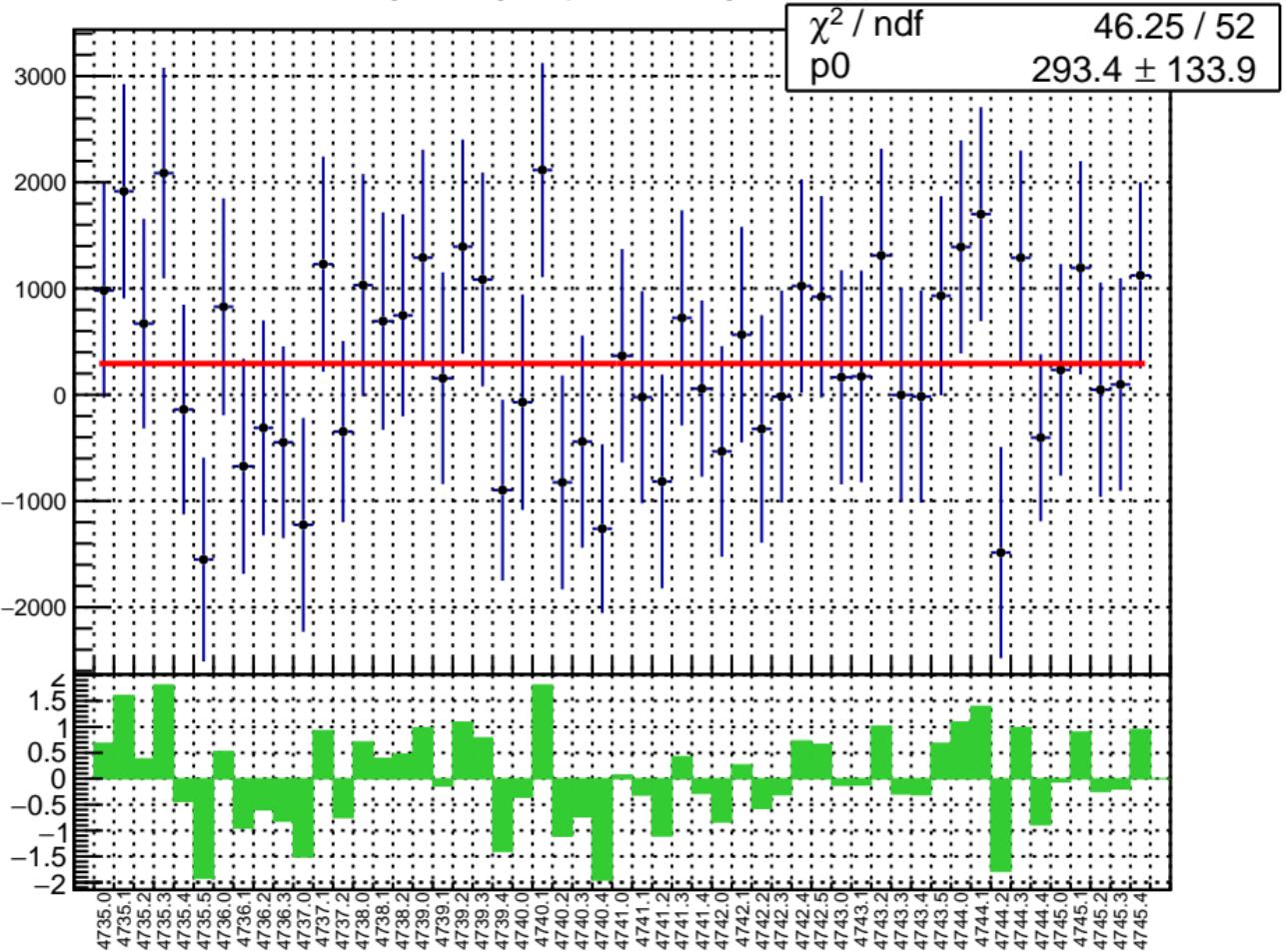
slug77: 1D Corr asym_right_dd.mean/ppb-reg_asym_right_dd.mean/ppb



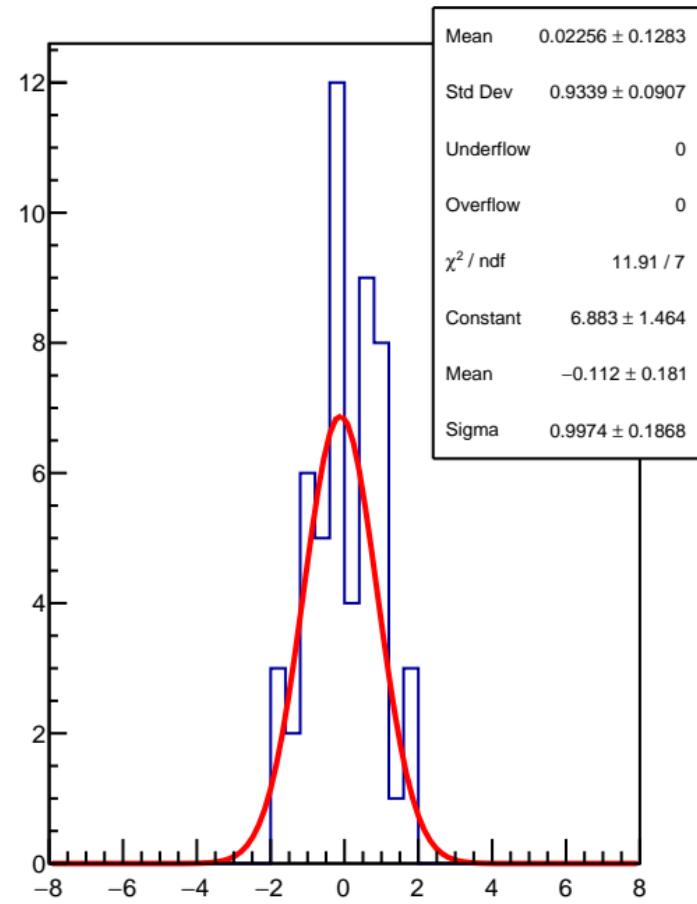
slug77: reg_asym_right_dd.rms/ppm



slug77: reg_asym_us_avg.mean/ppb

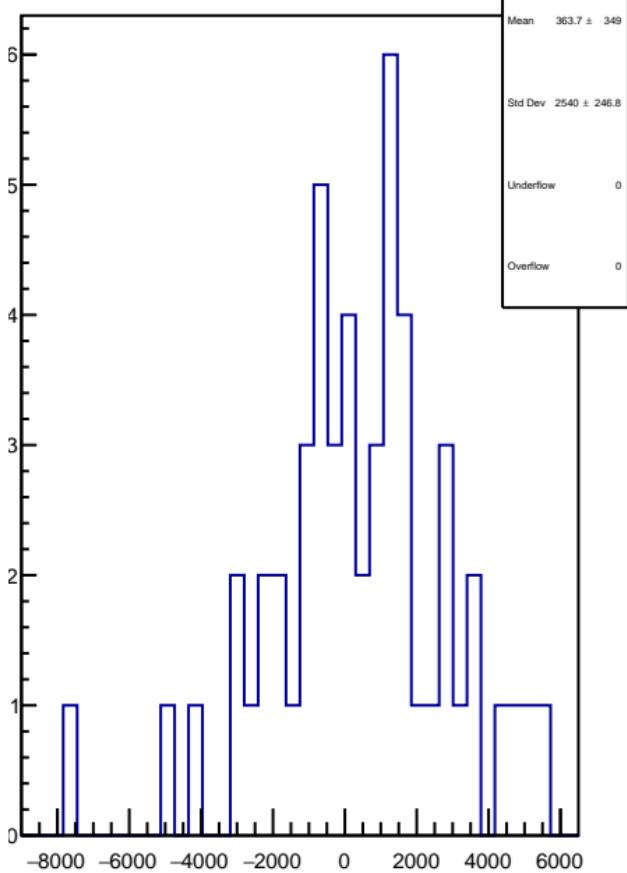
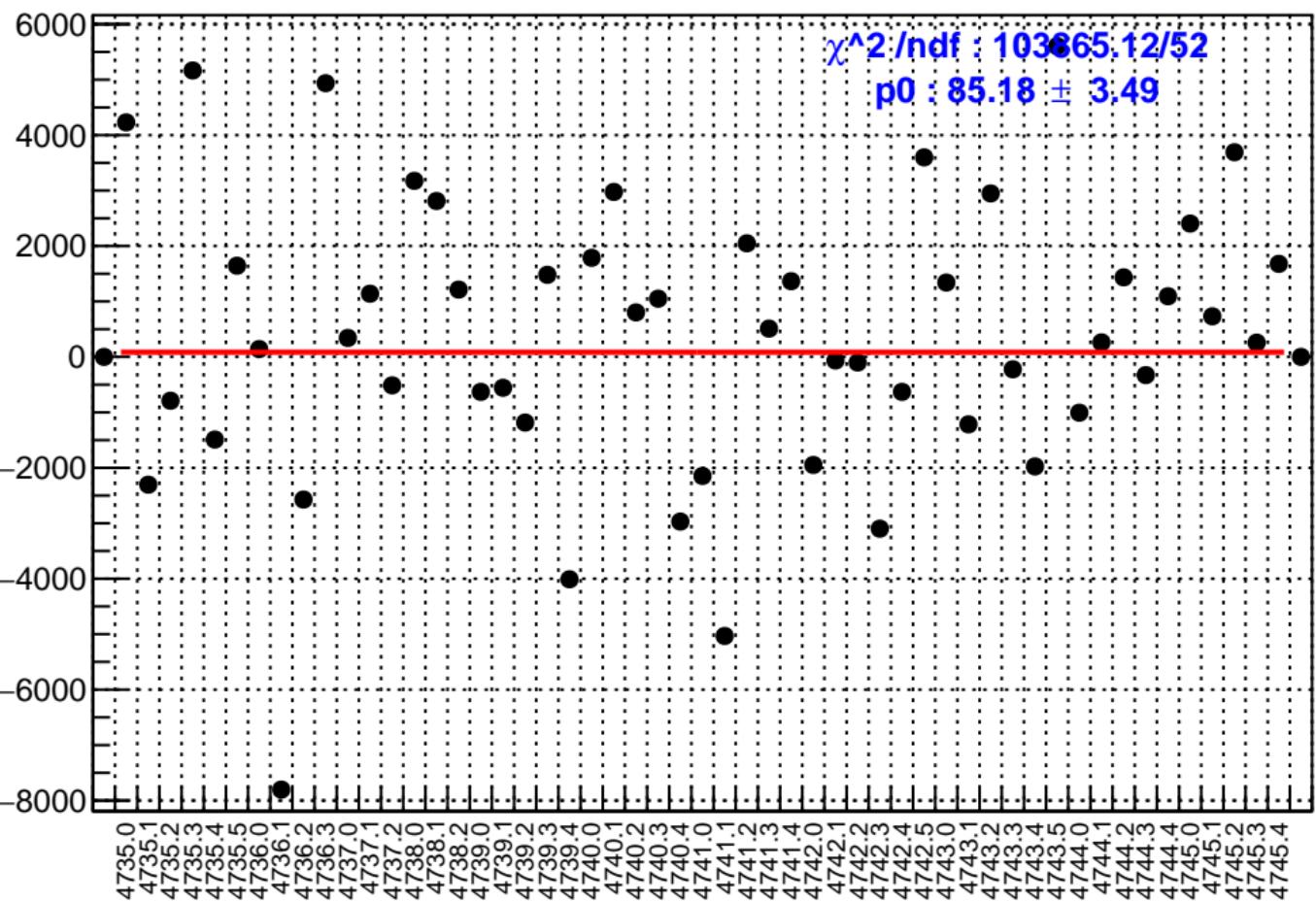


1D pull distribution



slug77: asym_us_avg.mean/ppb-reg_asym_us_avg.mean/ppb

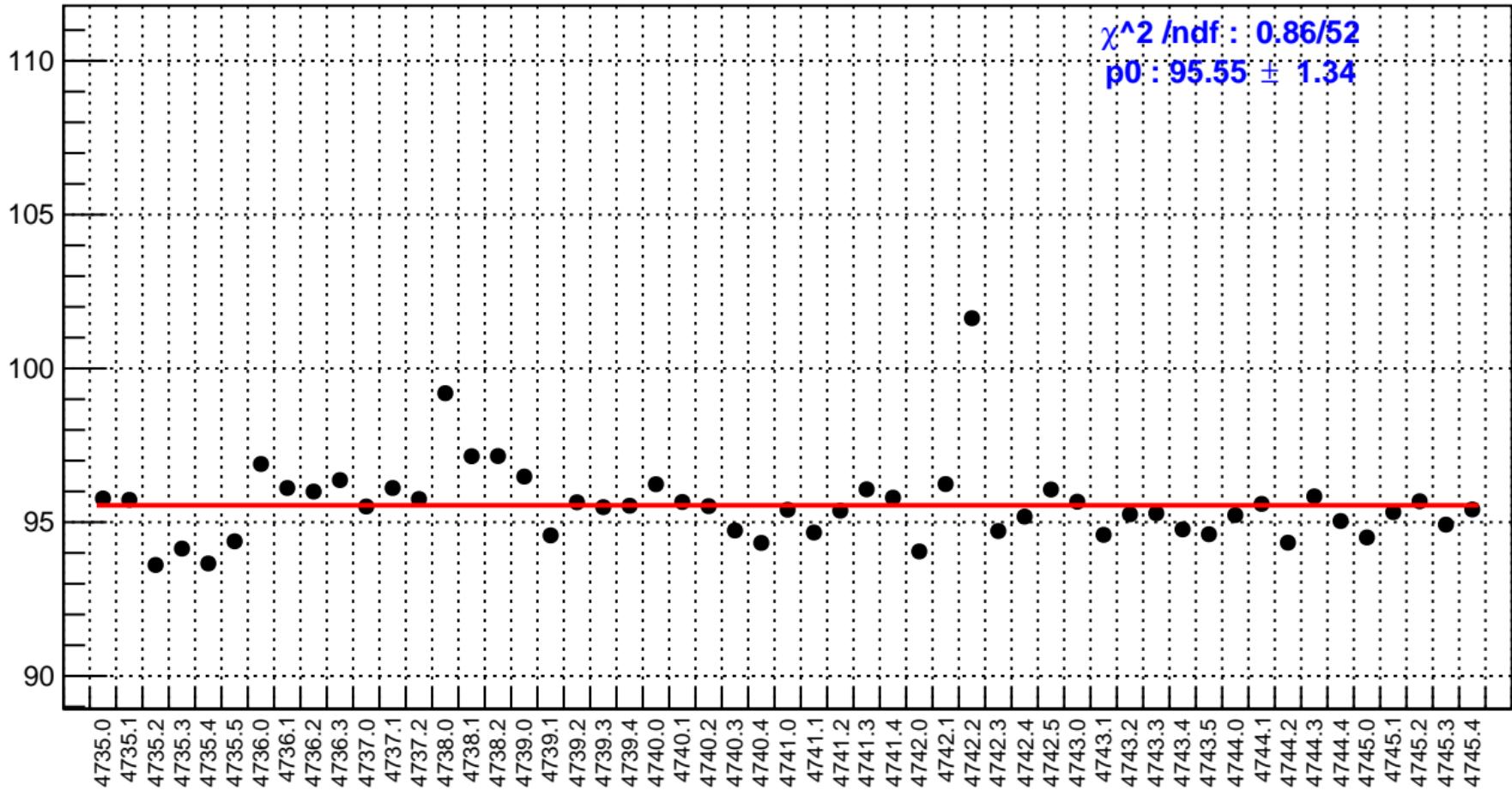
slug77: 1D Corr asym_us_avg.mean/ppb-reg_asym_us_avg.mean/ppb



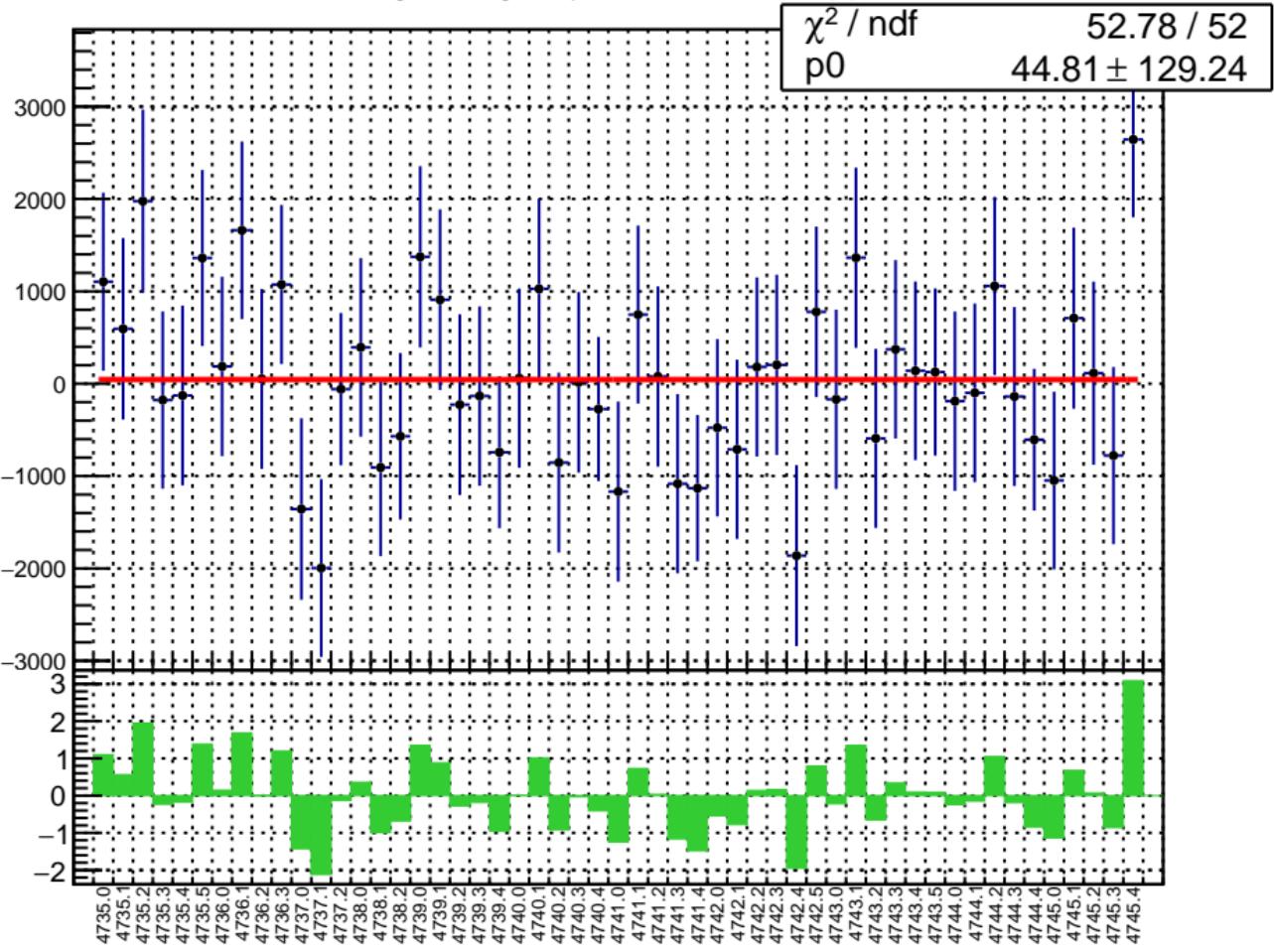
slug77: reg_asym_us_avg.rms/ppm

$\chi^2 / \text{ndf: } 0.86 / 52$

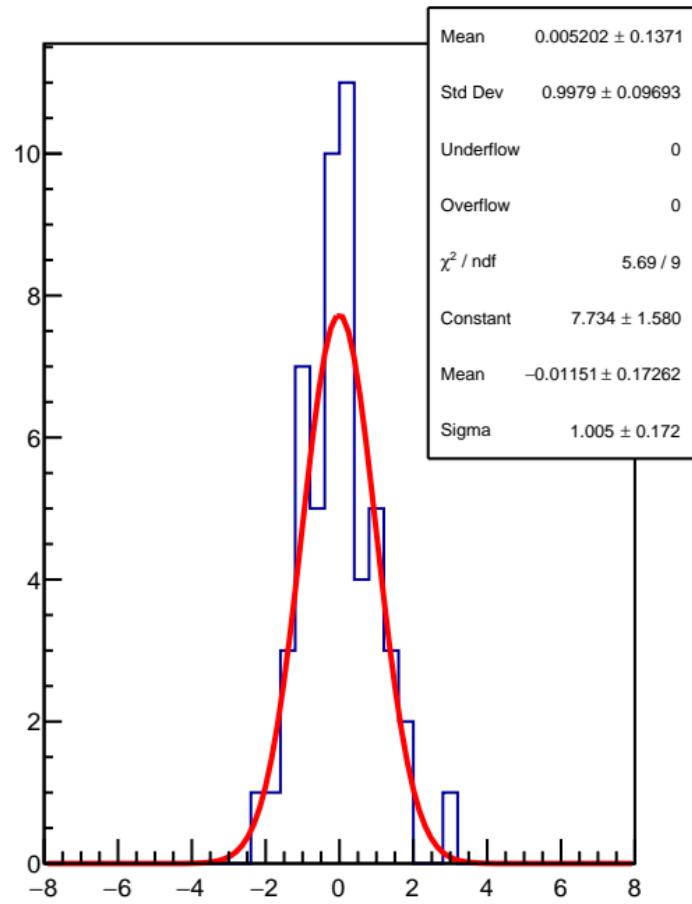
$p_0 : 95.55 \pm 1.34$



slug77: reg_asym_us_dd.mean/ppb

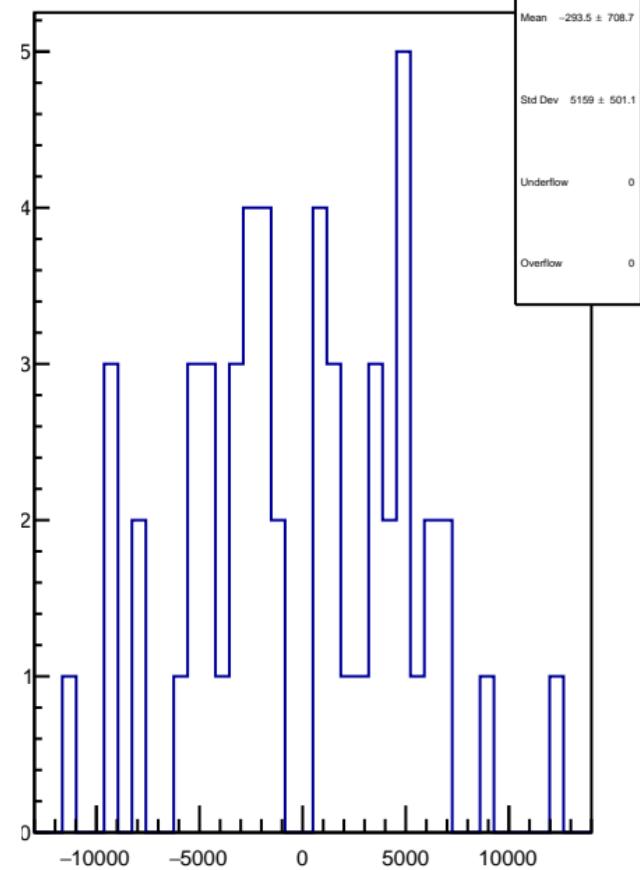
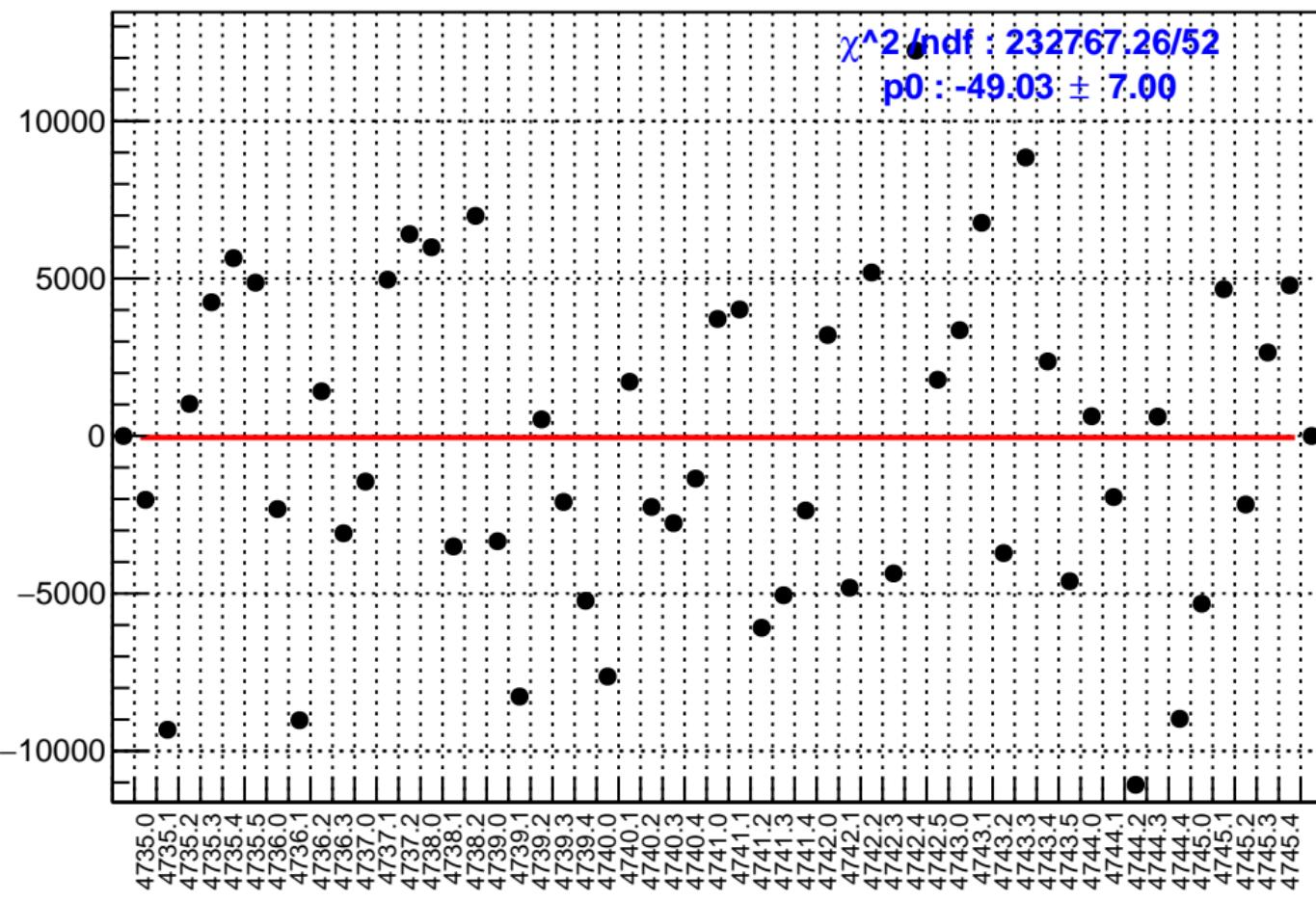


1D pull distribution

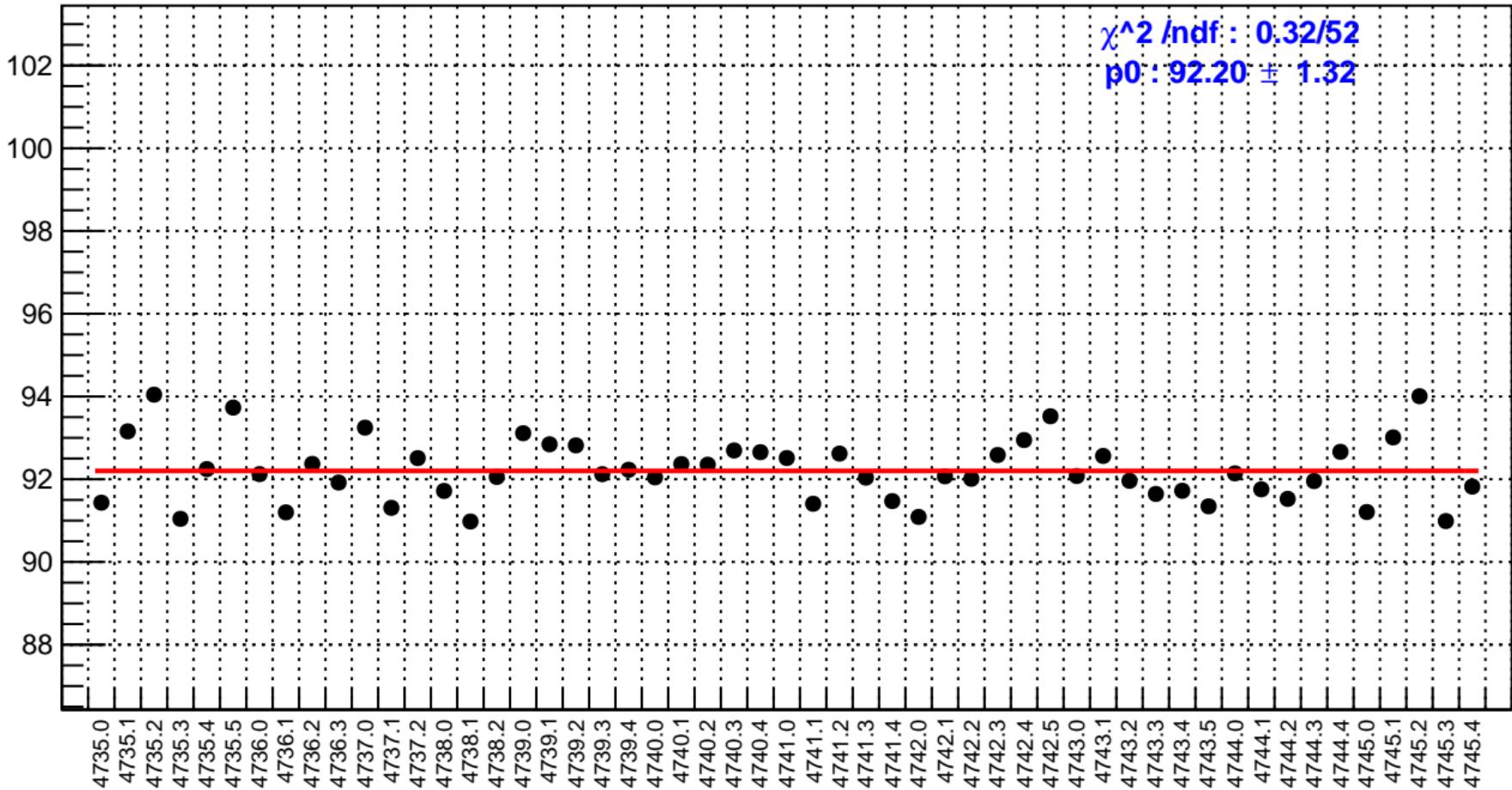


slug77: asym_us_dd.mean/ppb-reg_asym_us_dd.mean/ppb

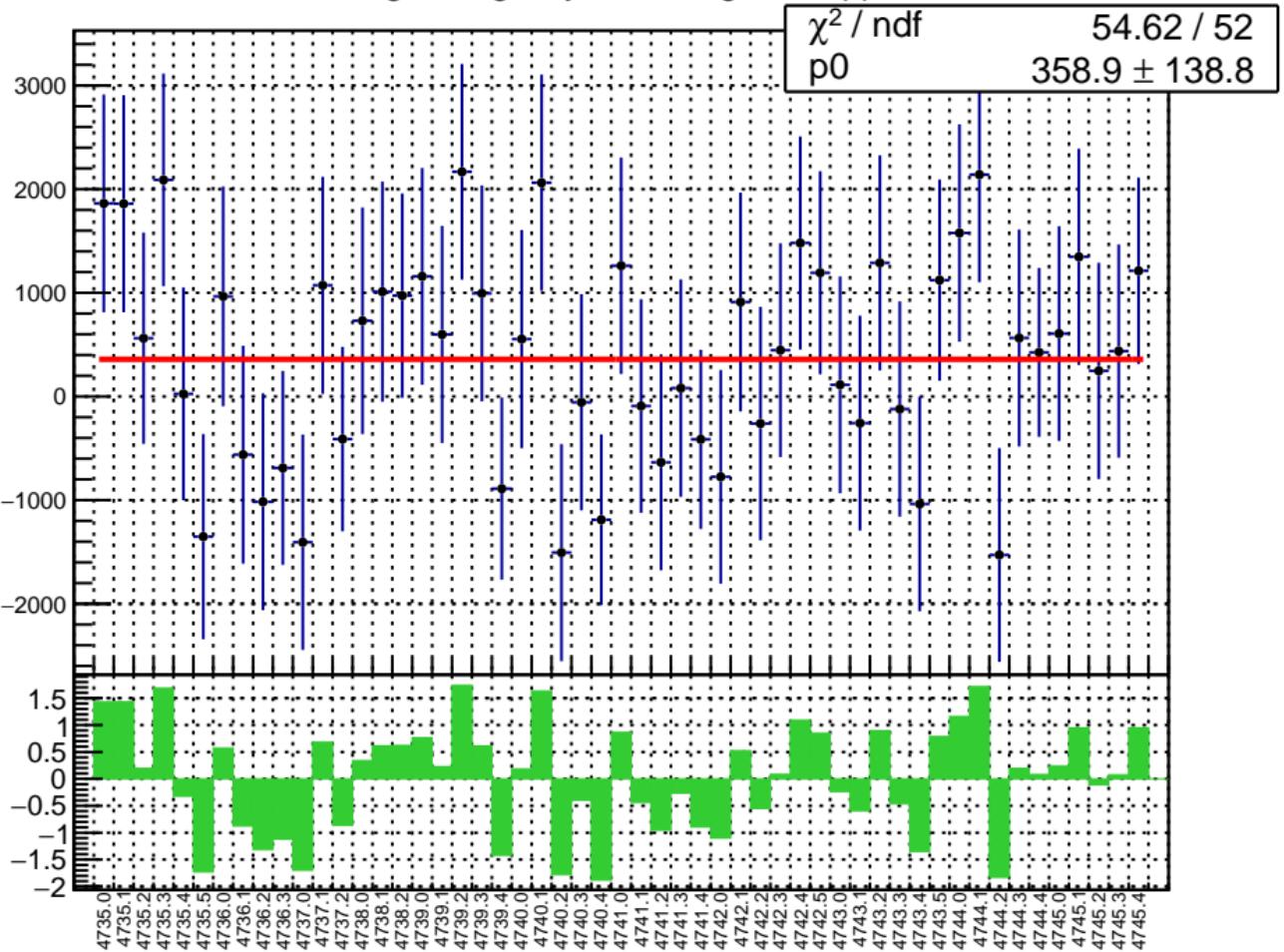
slug77: 1D Corr asym_us_dd.mean/ppb-reg_asym_us_dd.mean/ppb



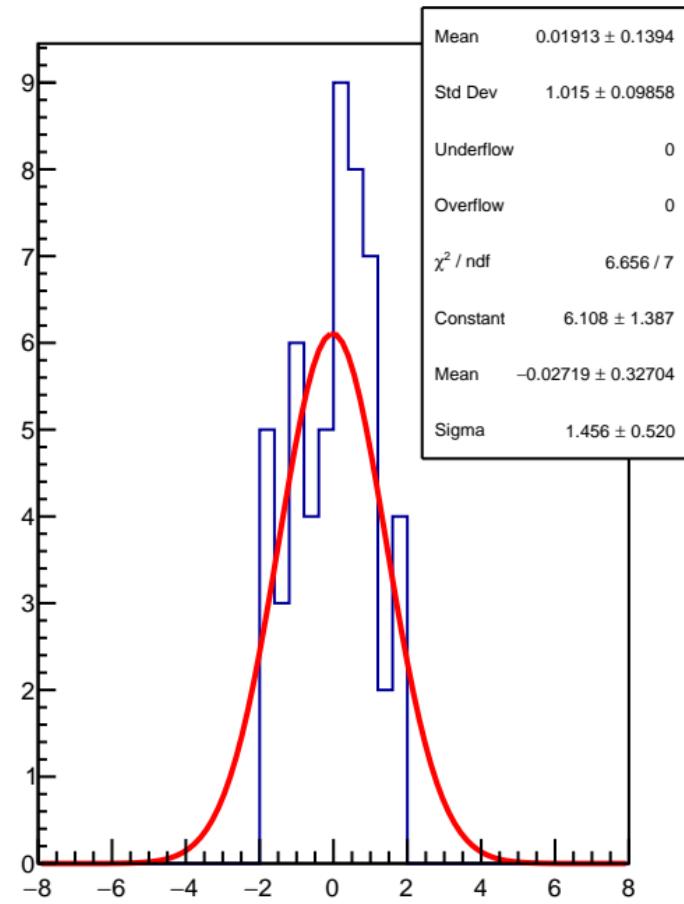
slug77: reg_asym_us_dd.rms/ppm

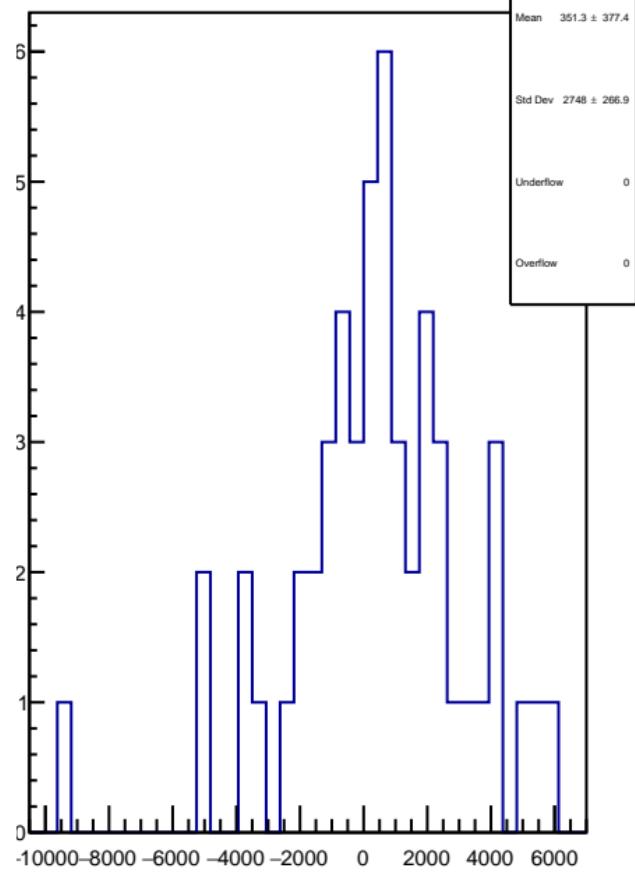
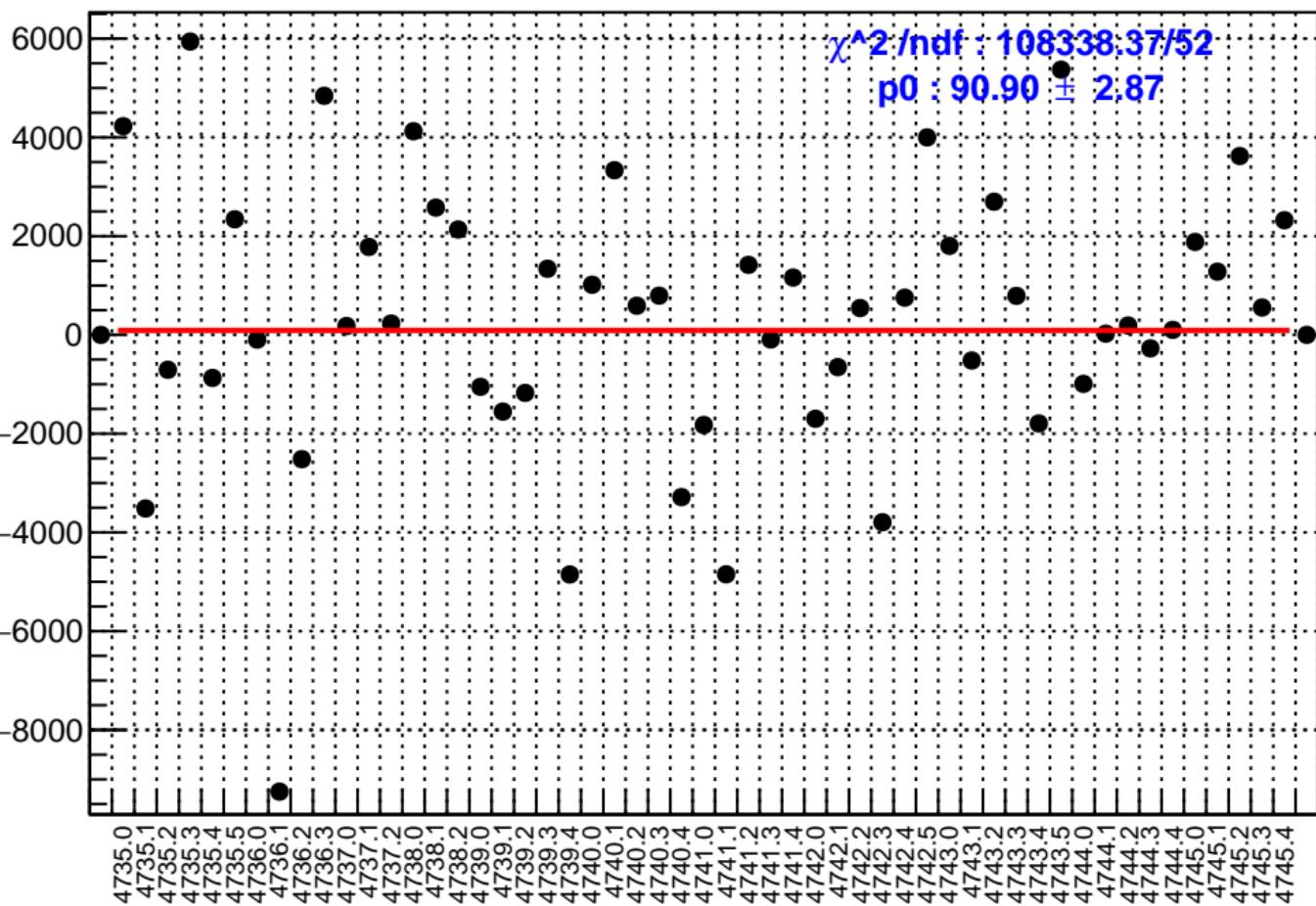


slug77: reg_asym_ds_avg.mean/ppb



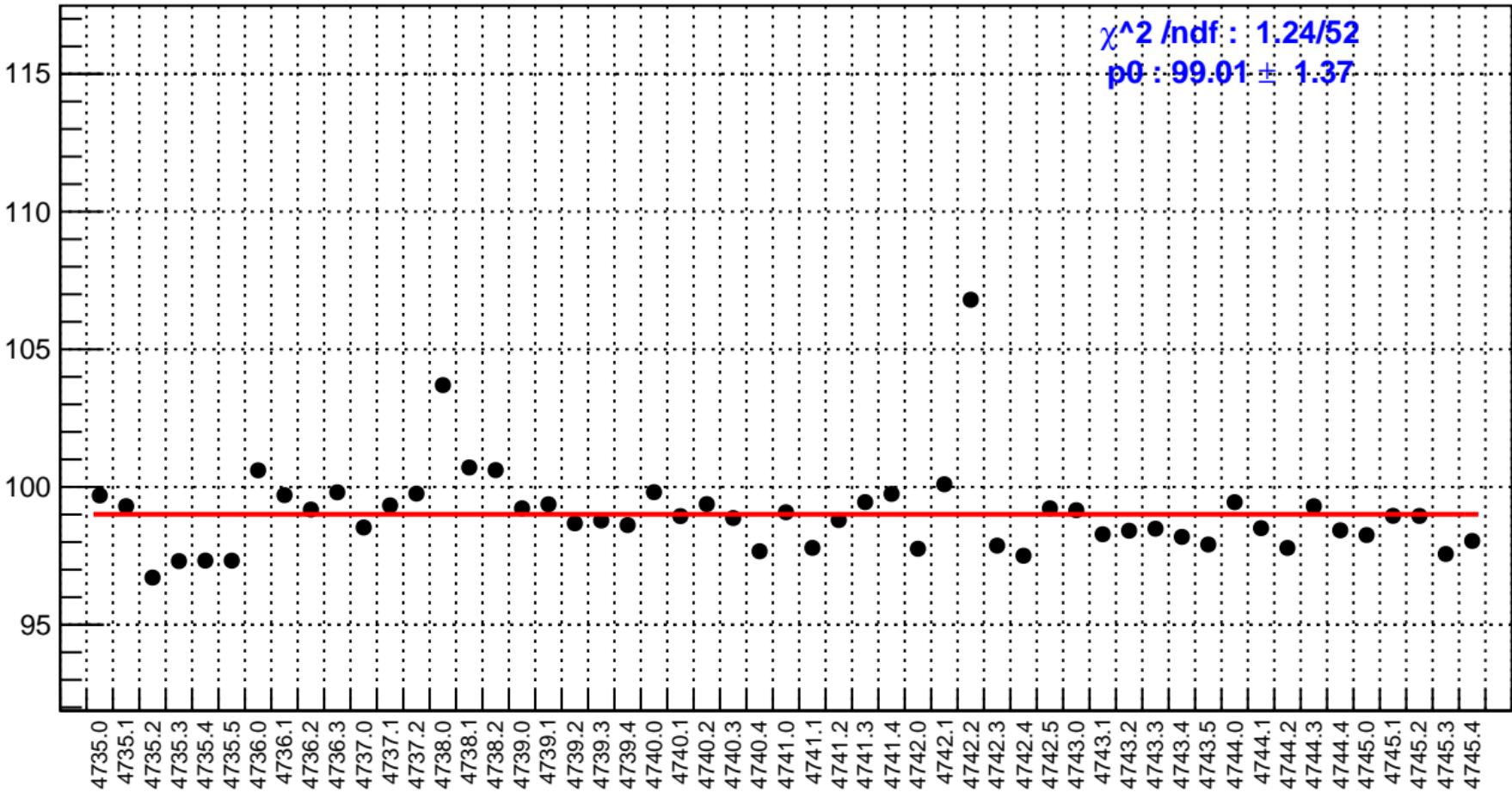
1D pull distribution



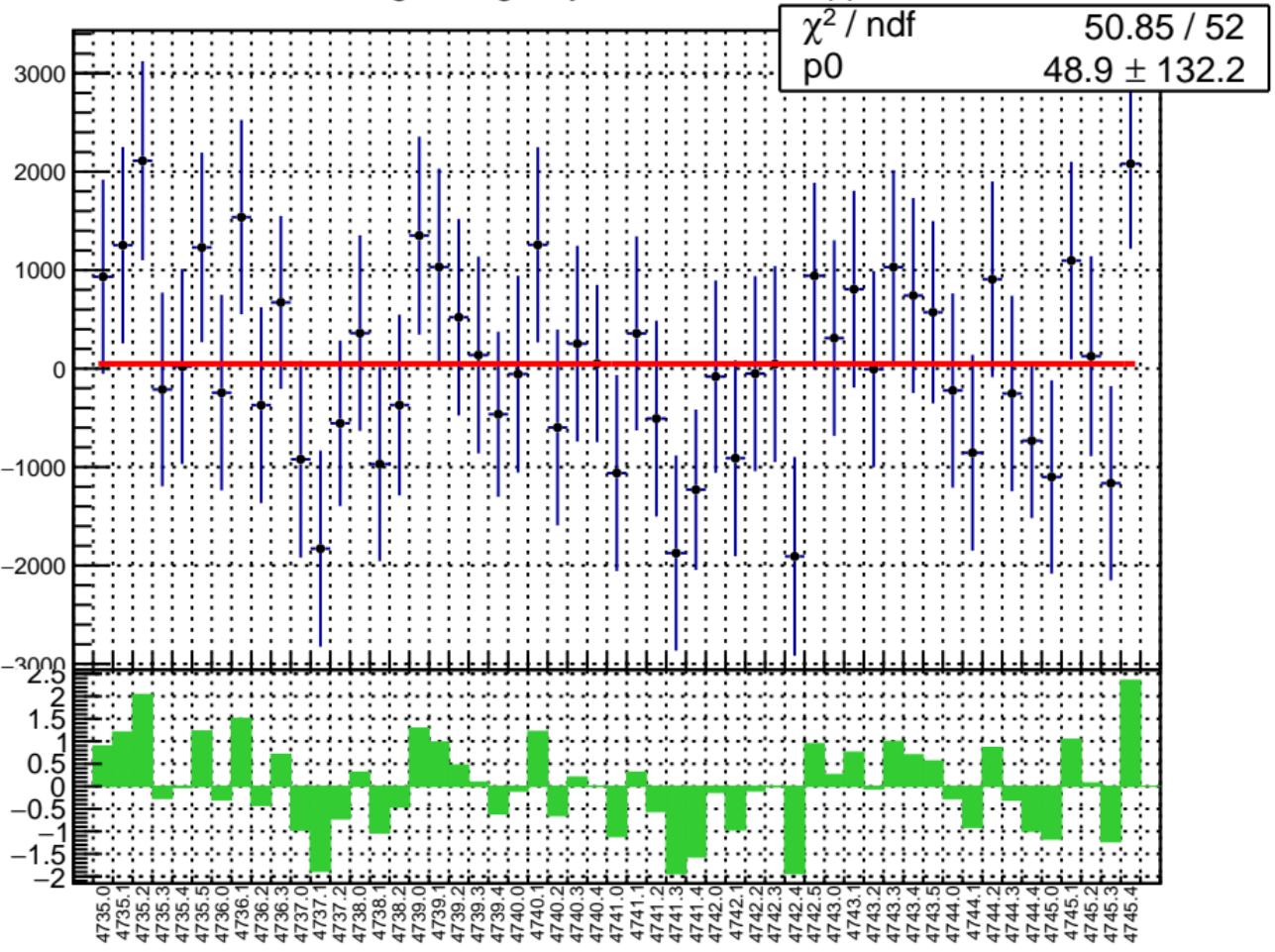


slug77: reg_asym_ds_avg.rms/ppm

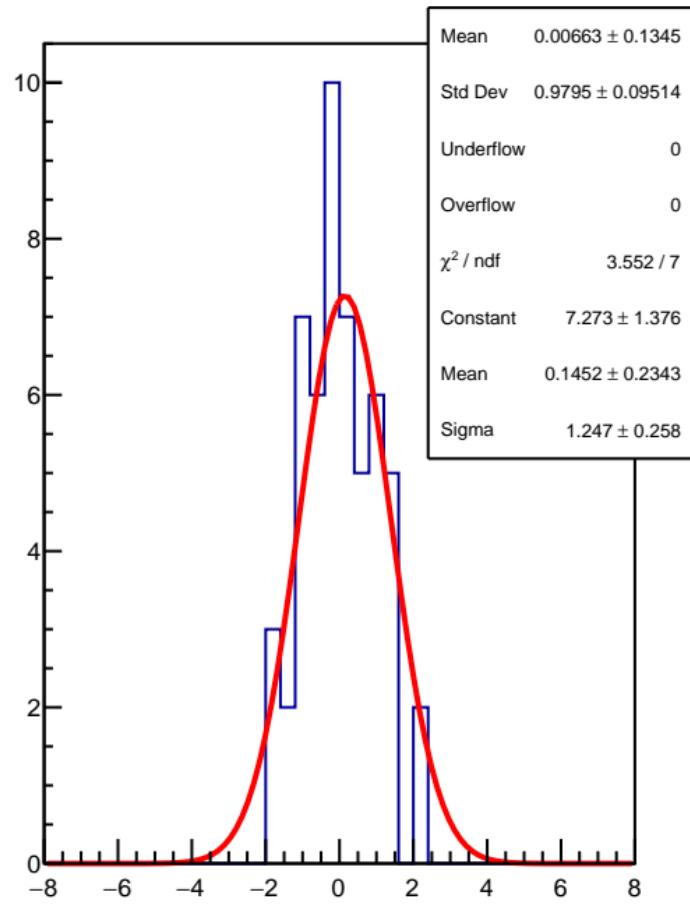
$\chi^2 / \text{ndf} : 1.24/52$
 $p0 : 99.01 \pm 1.37$



slug77: reg_asym_ds_dd.mean/ppb

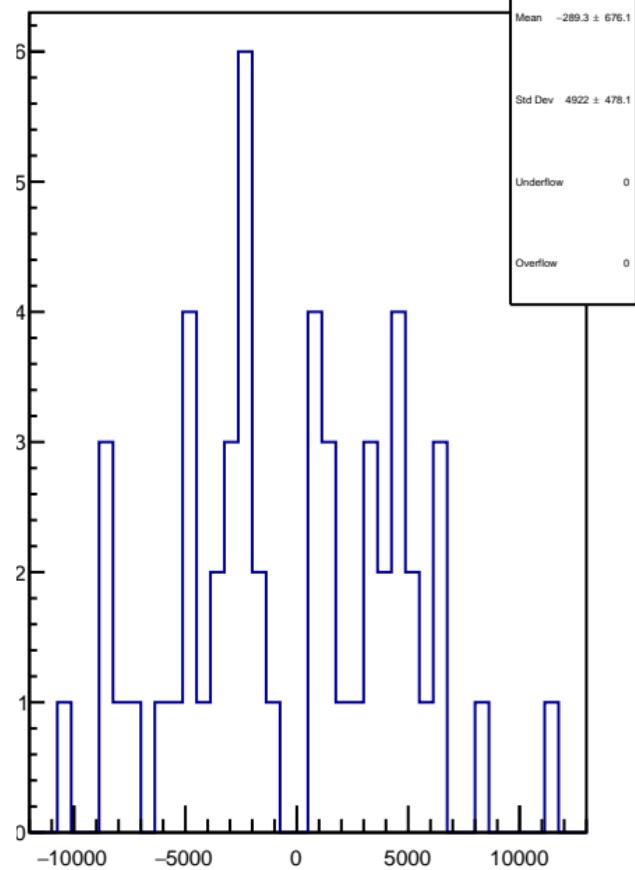
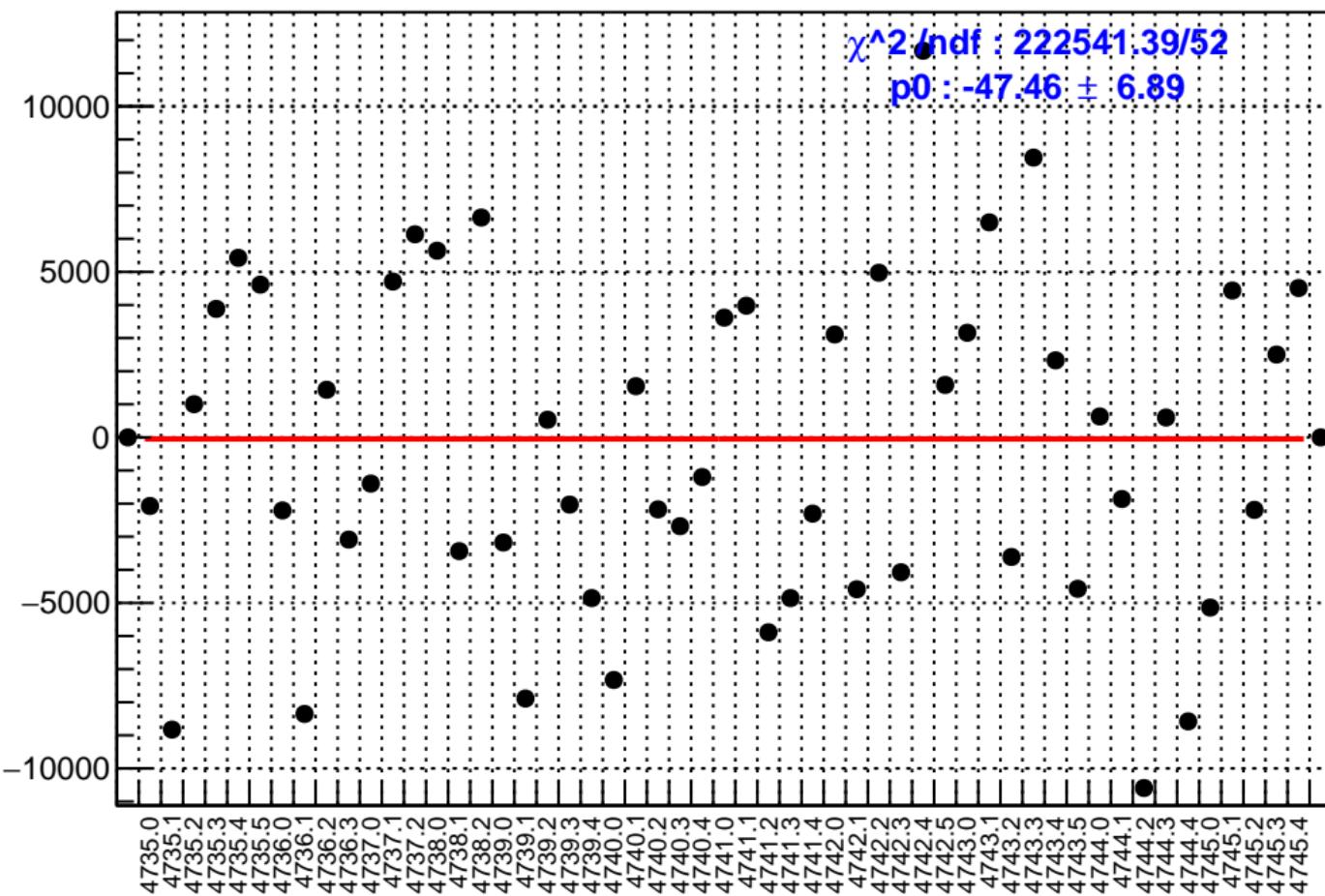


1D pull distribution

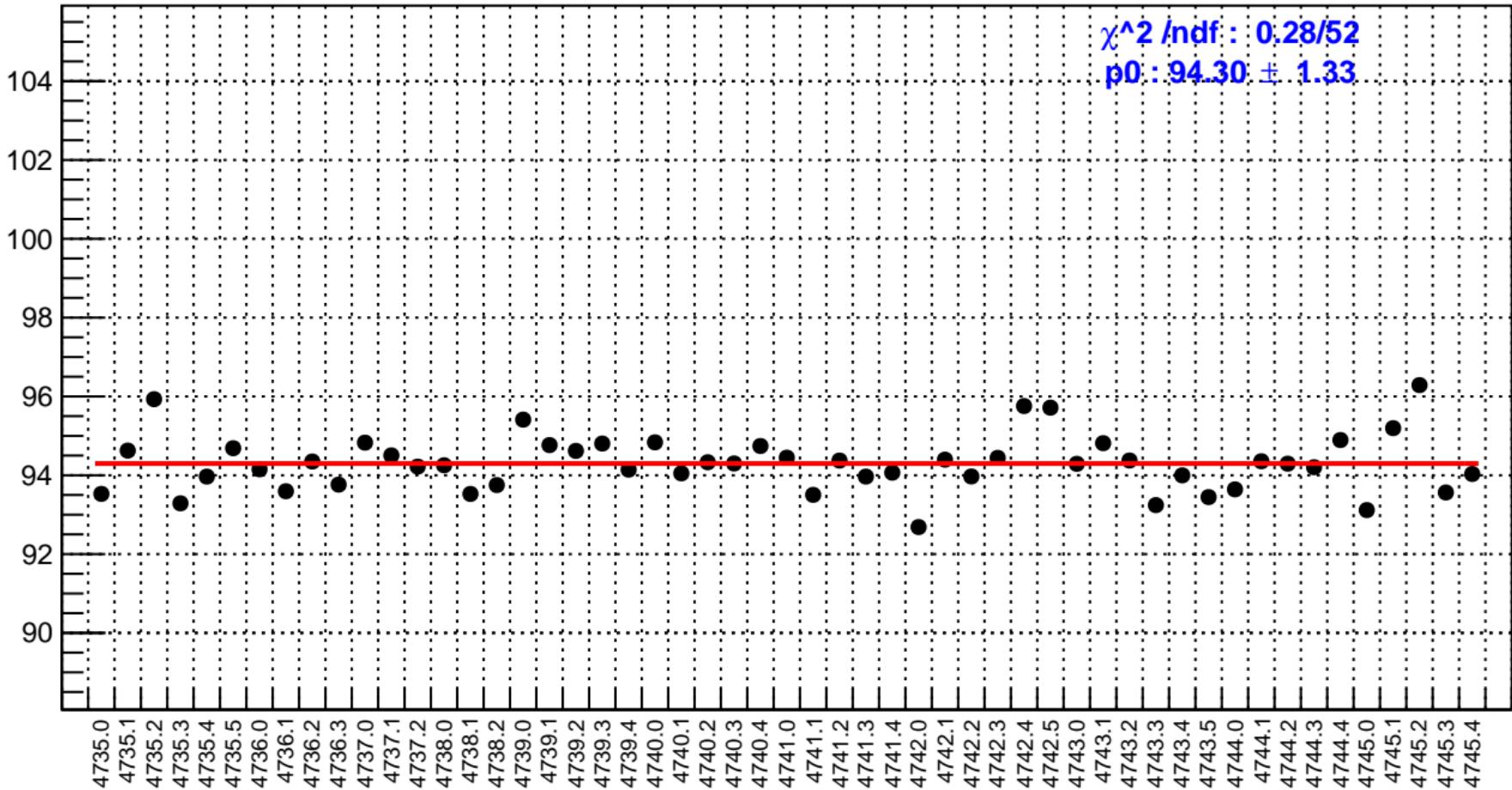


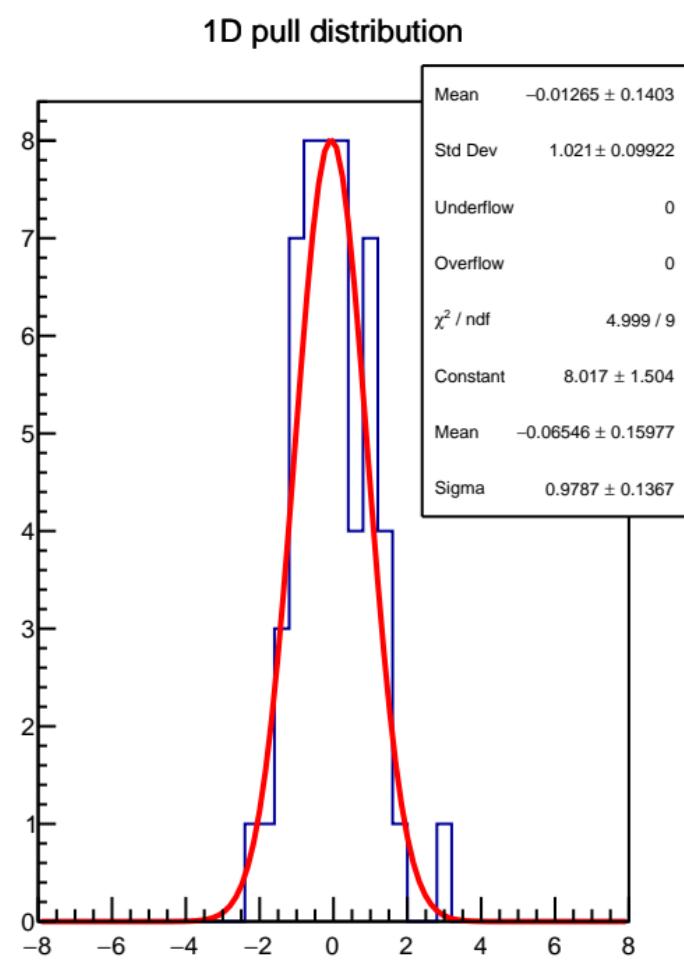
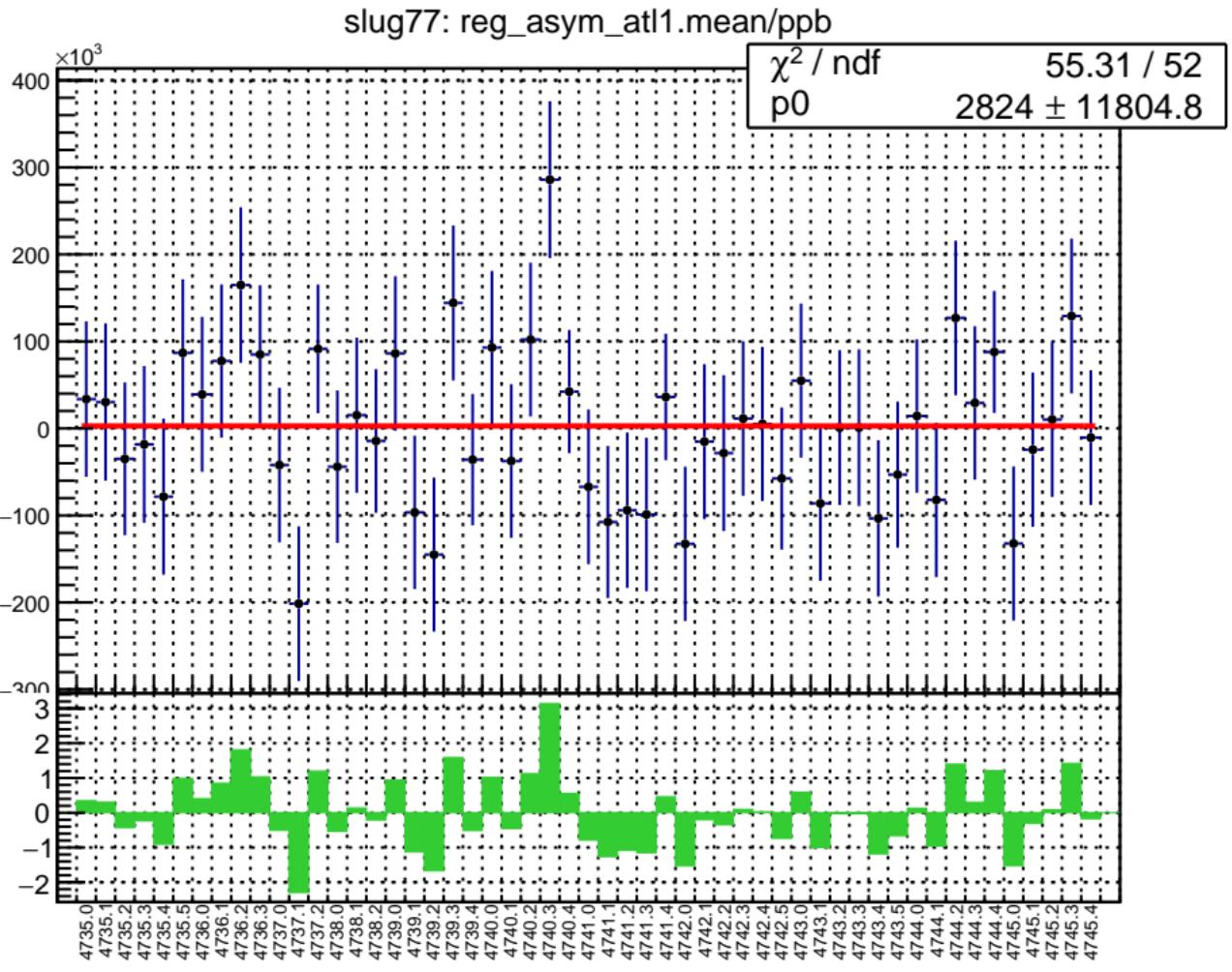
slug77: asym_ds_dd.mean/ppb-reg_asym_ds_dd.mean/ppb

slug77: 1D Corr asym_ds_dd.mean/ppb-reg_asym_ds_dd.mean/ppb



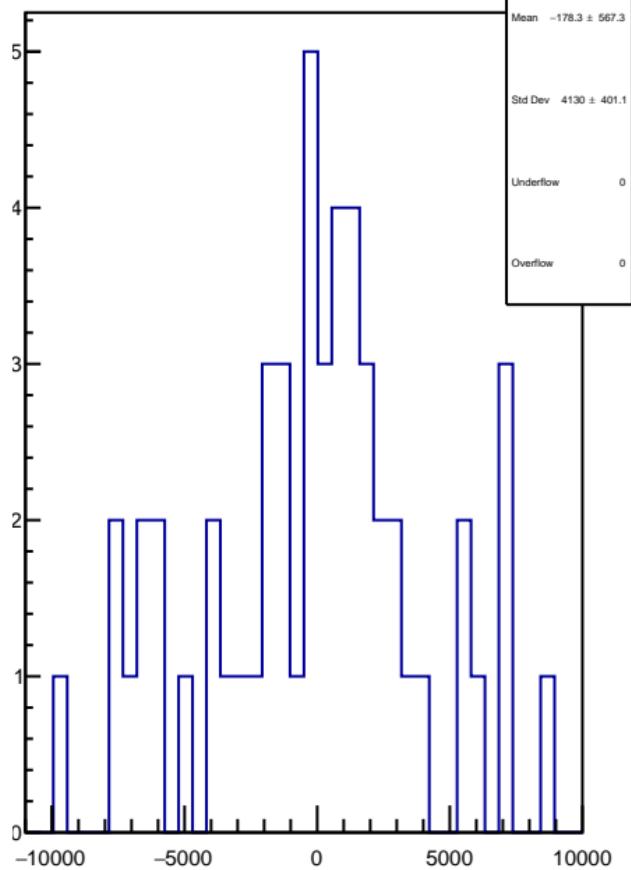
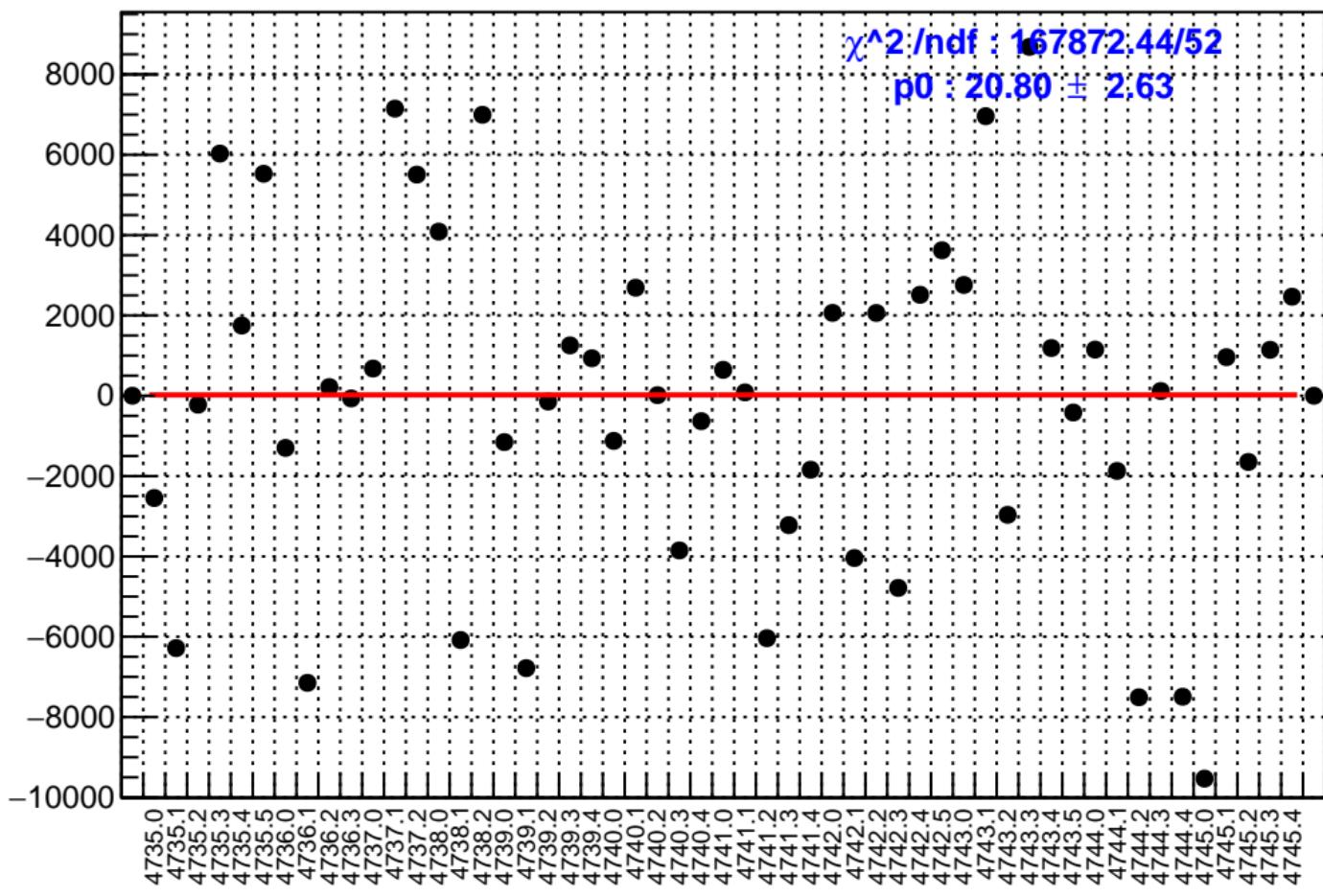
slug77: reg_asym_ds_dd.rms/ppm



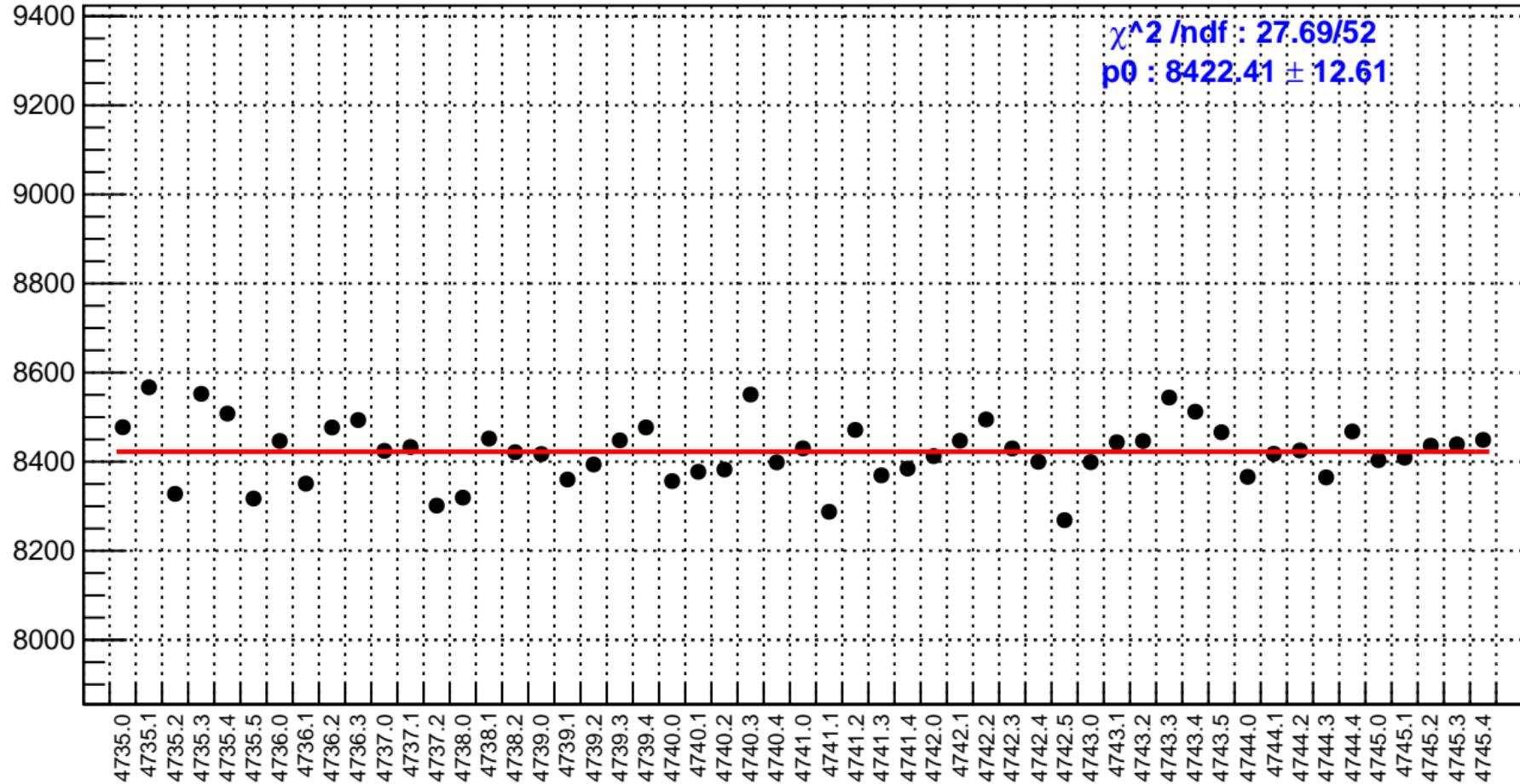


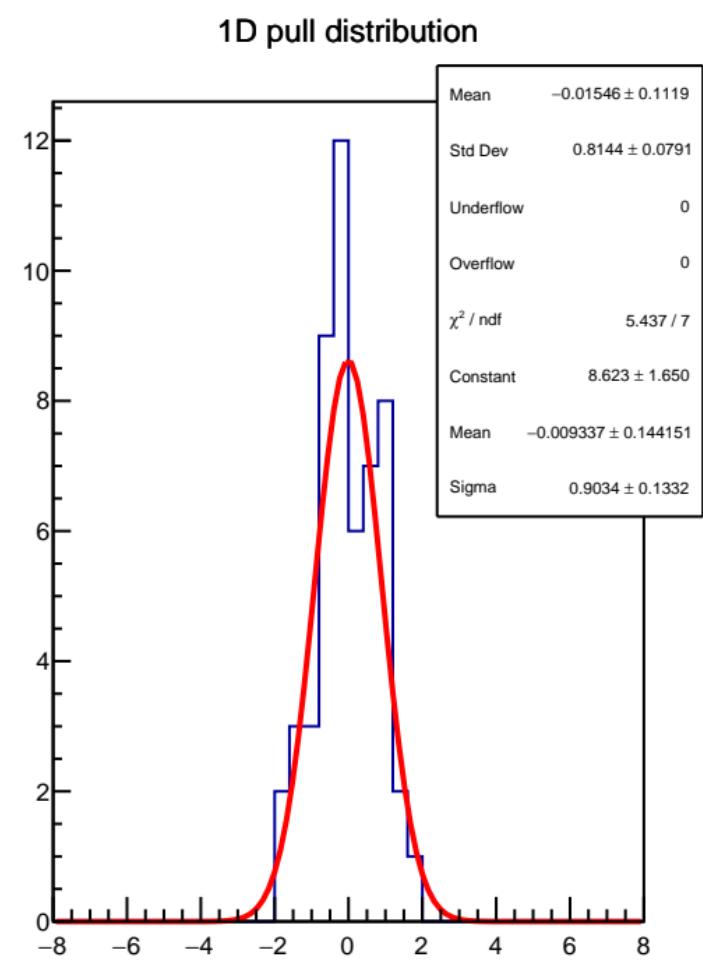
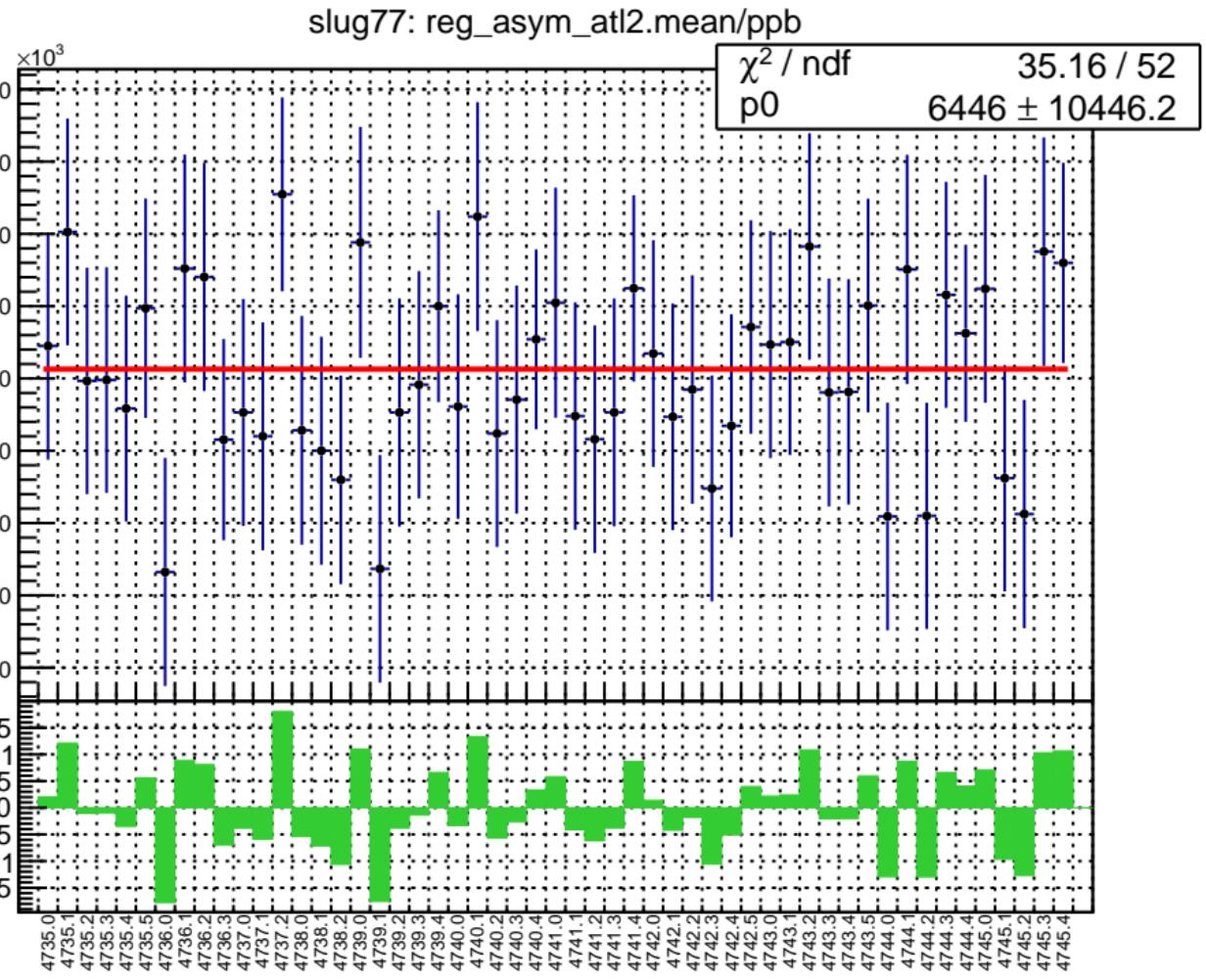
slug77: asym_atl1.mean/ppb-reg_asym_atl1.mean/ppb

slug77: 1D Corr asym_atl1.mean/ppb-reg_asym_atl1.mean/ppb



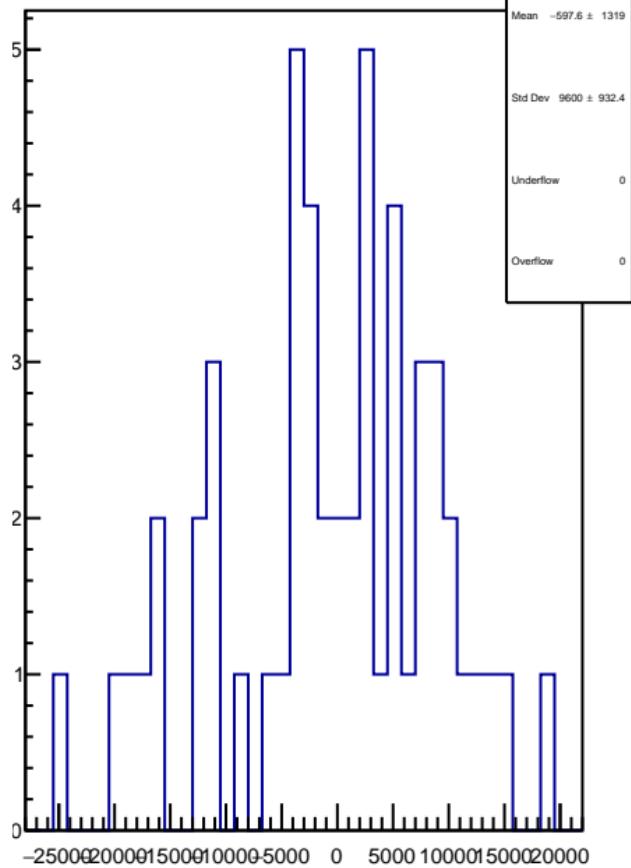
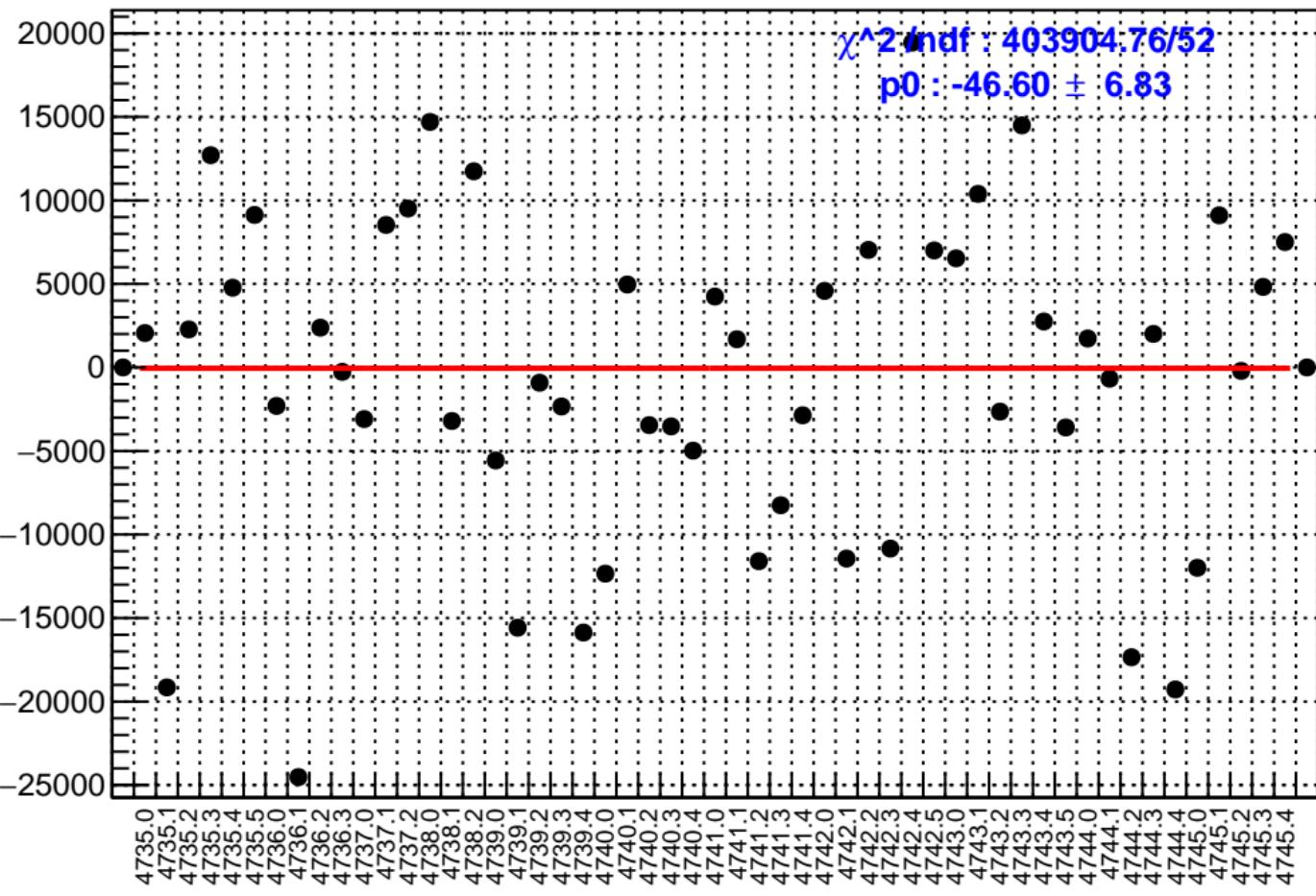
slug77: reg_asym_atl1.rms/ppm



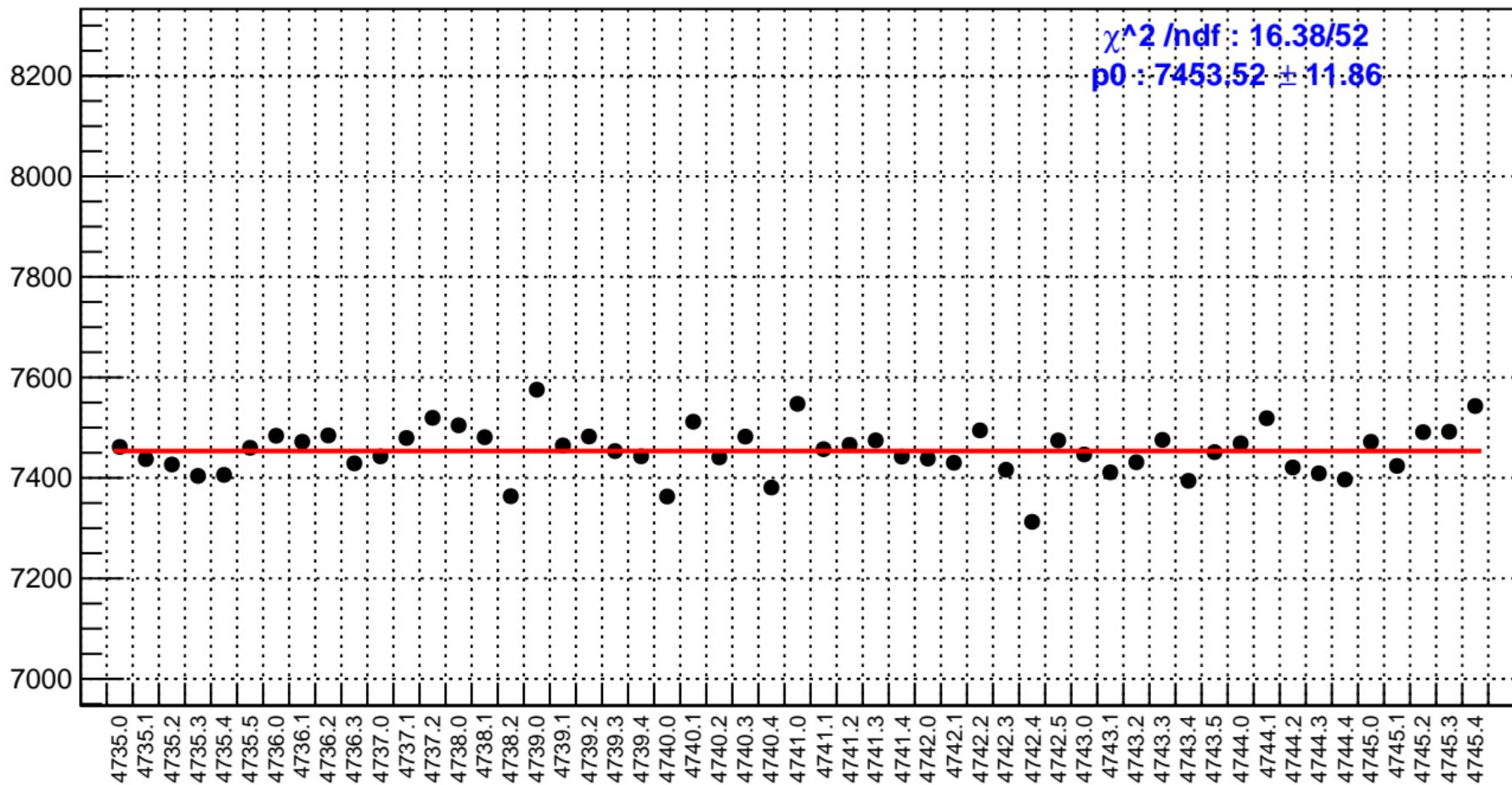


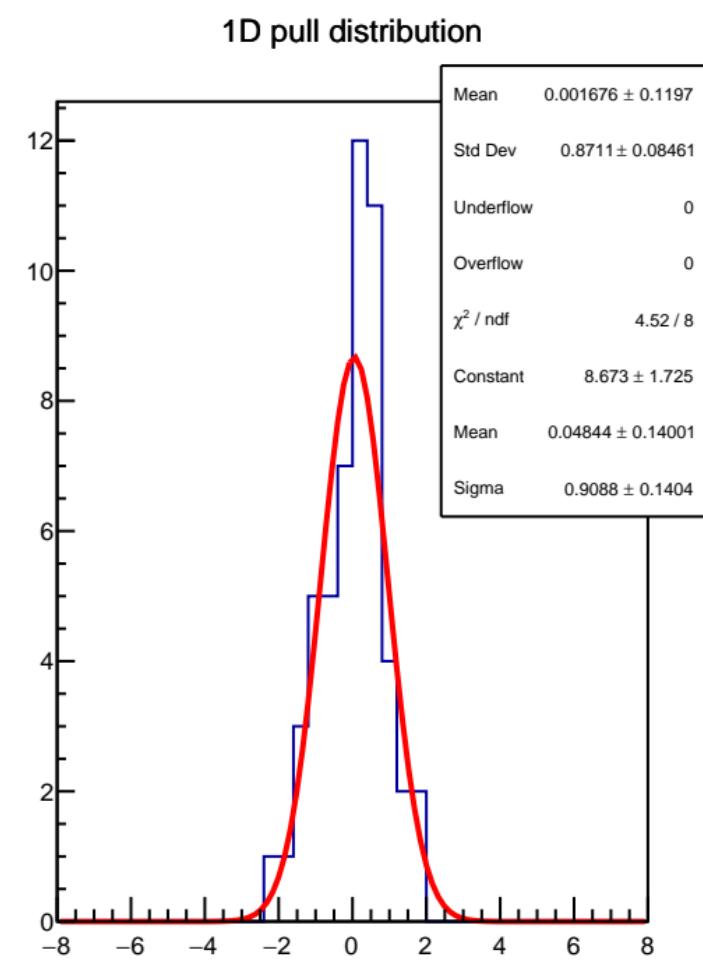
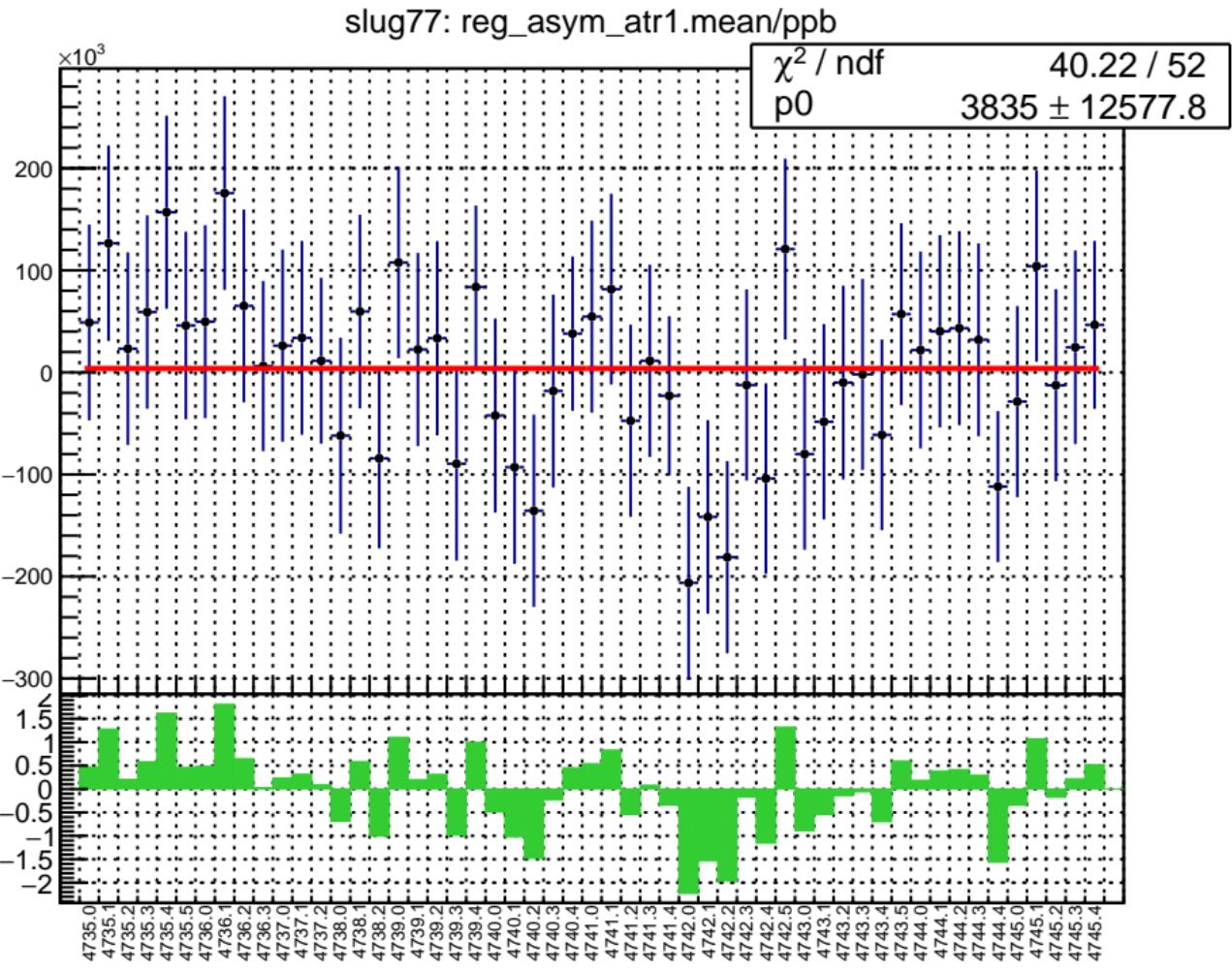
slug77: asym_atl2.mean/ppb-reg_asym_atl2.mean/ppb

slug77: 1D Corr asym_atl2.mean/ppb-reg_asym_atl2.mean/ppb



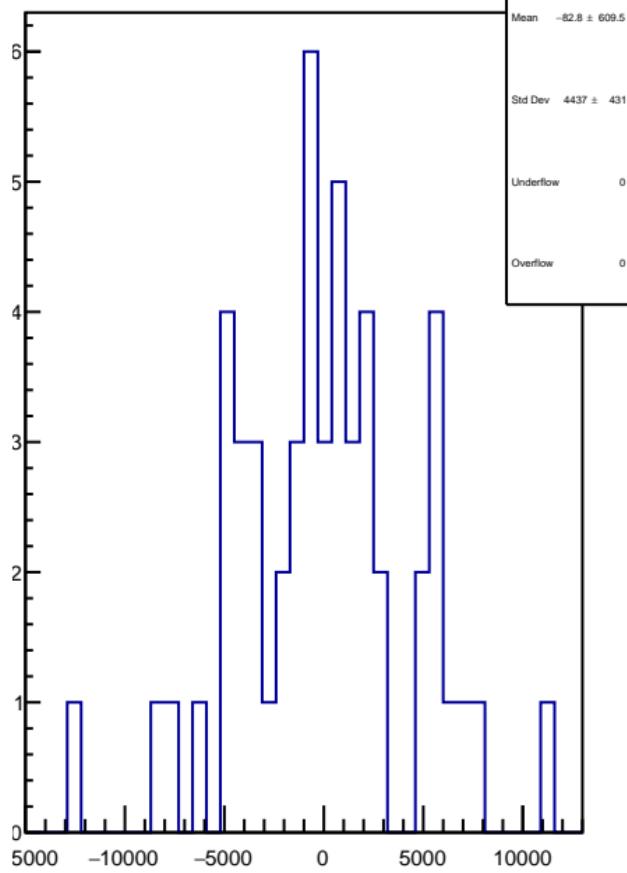
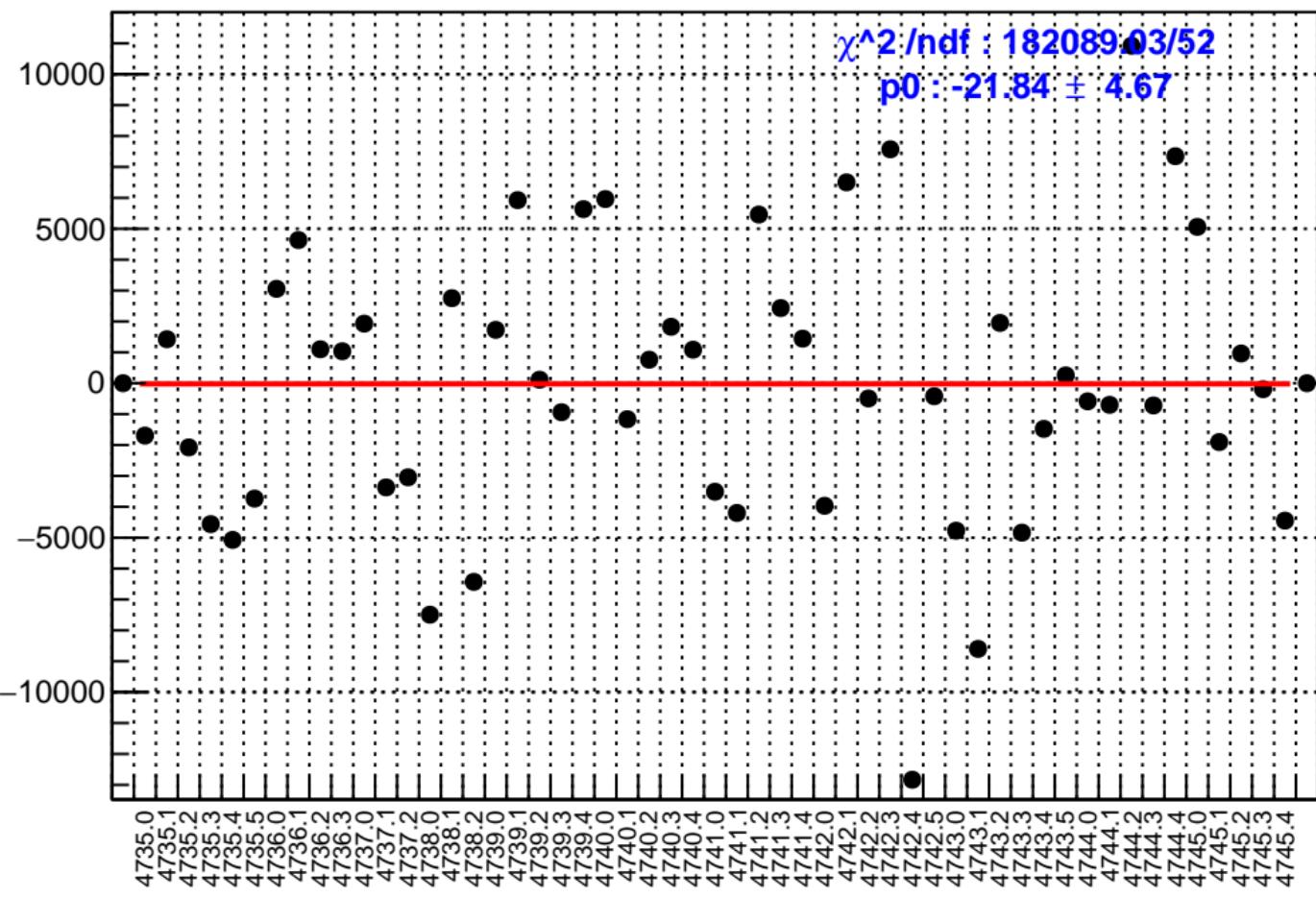
slug77: reg_asym_atl2.rms/ppm



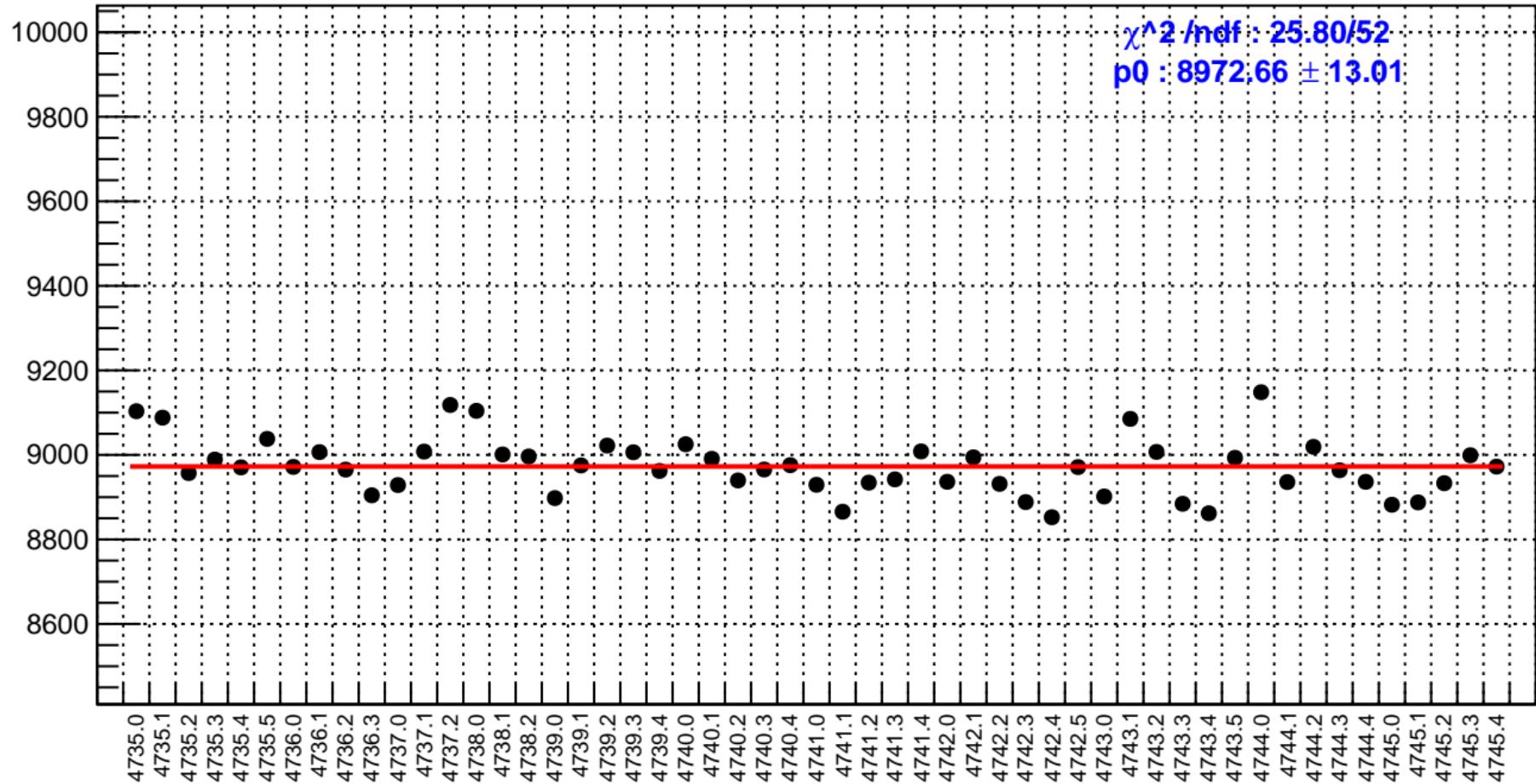


slug77: asym_atr1.mean/ppb-reg_asym_atr1.mean/ppb

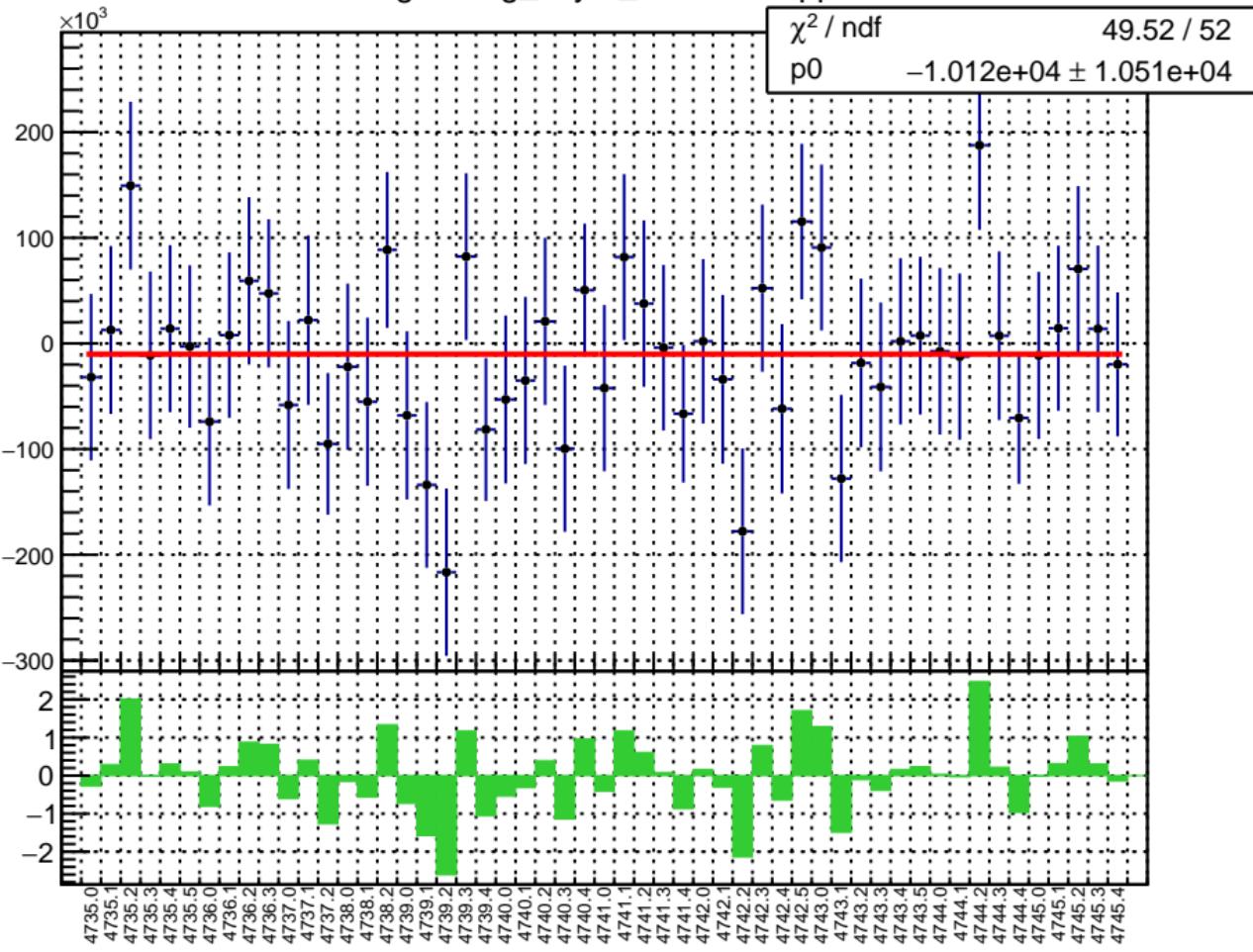
slug77: 1D Corr asym_atr1.mean/ppb-reg_asym_atr1.mean/ppb



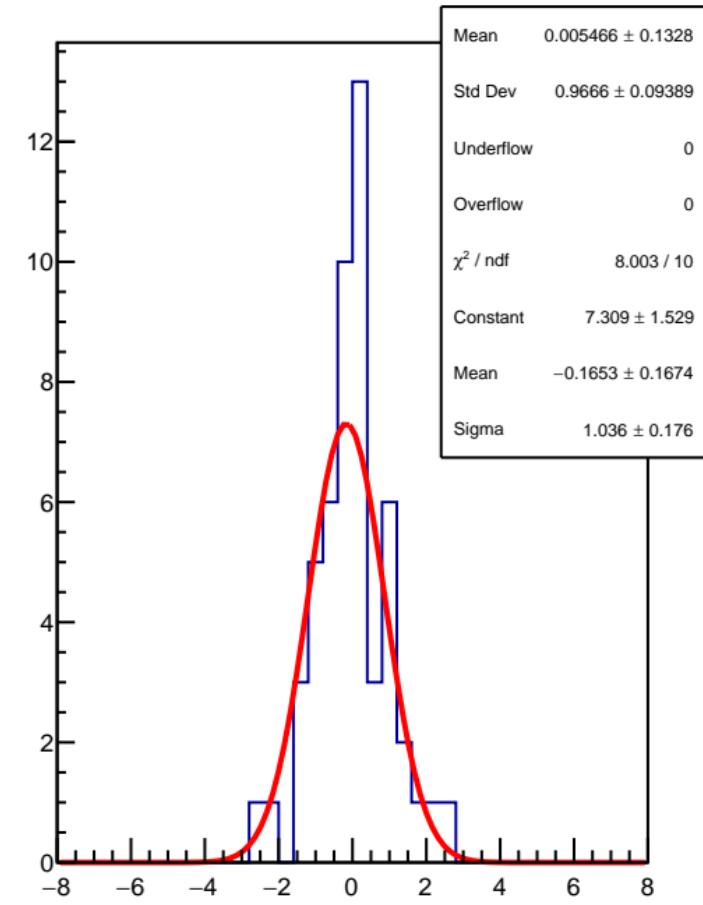
slug77: reg_asym_atr1.rms/ppm



slug77: reg_asym_atr2.mean/ppb

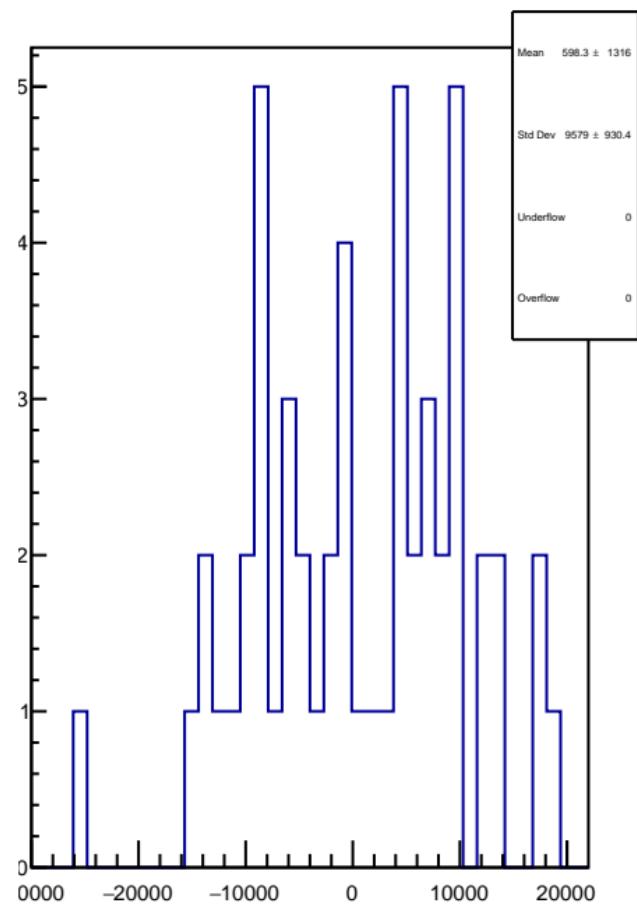
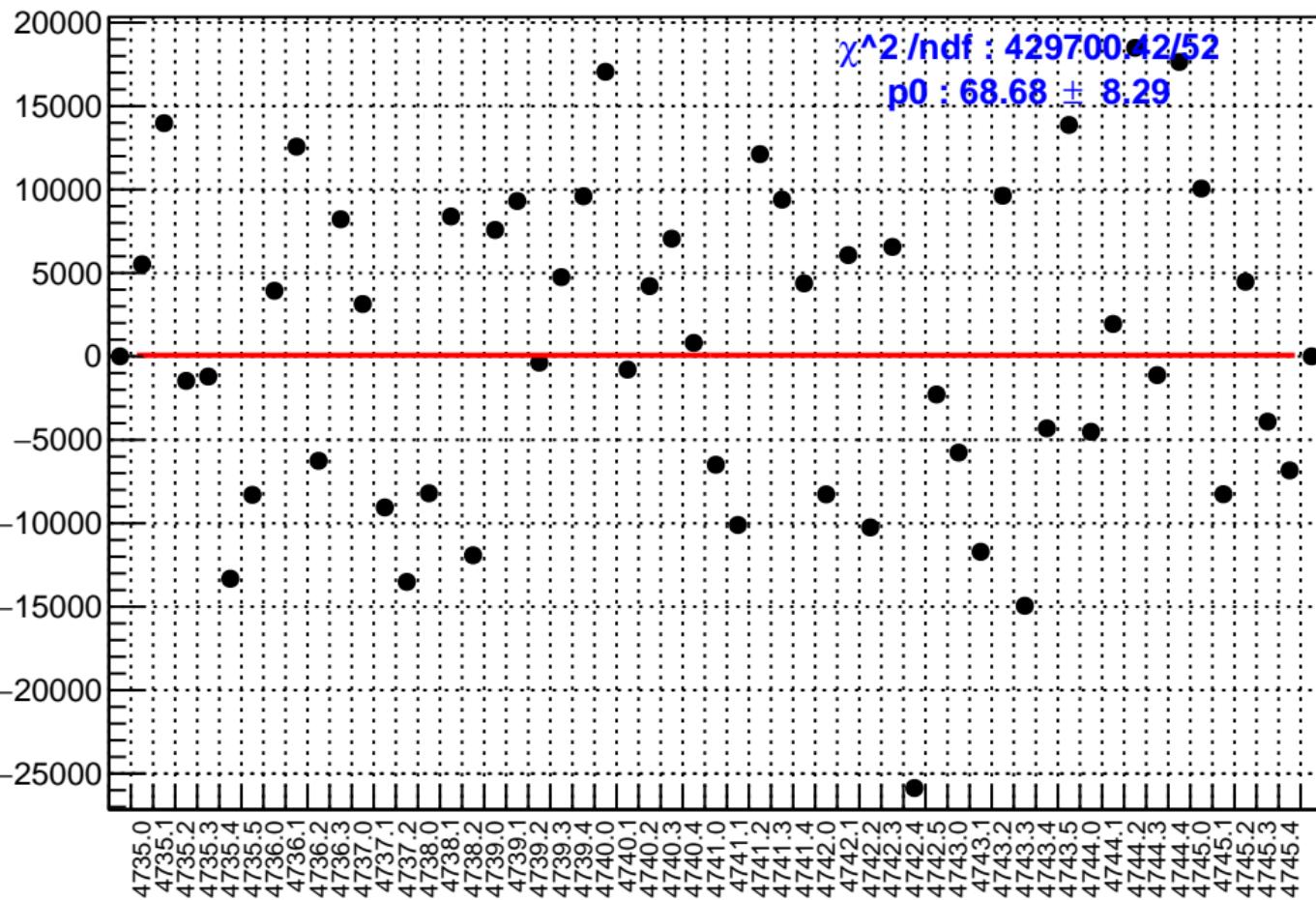


1D pull distribution

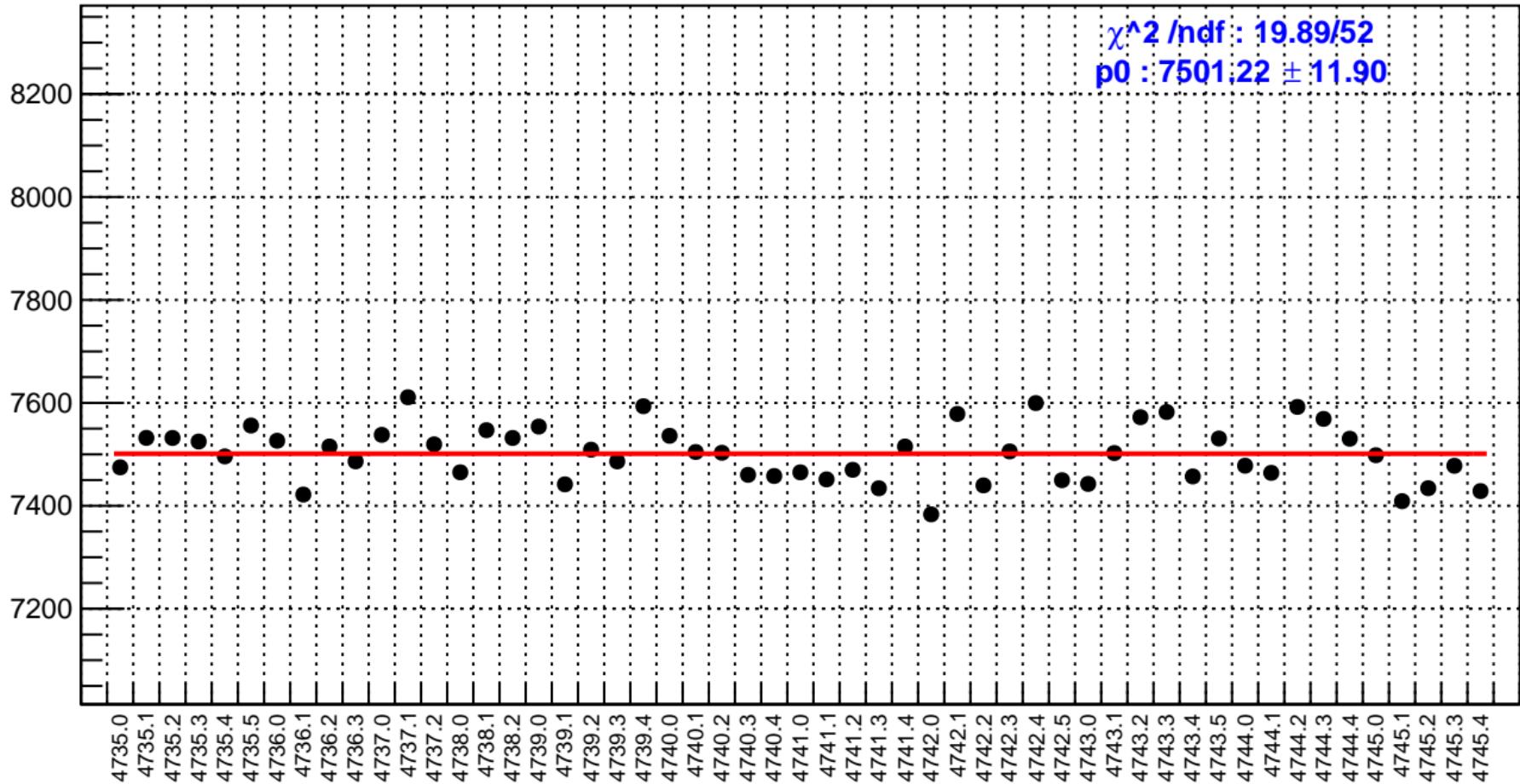


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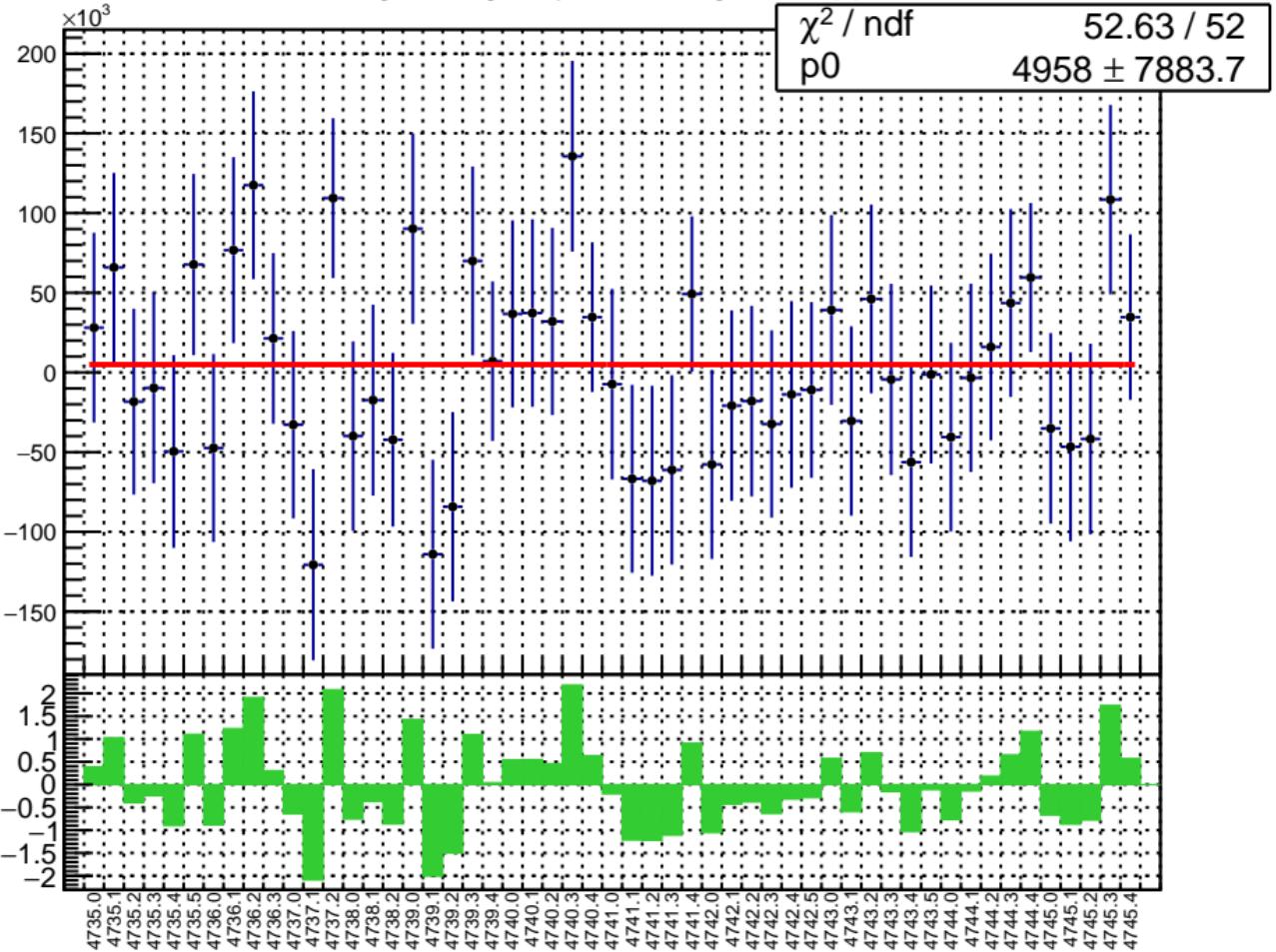
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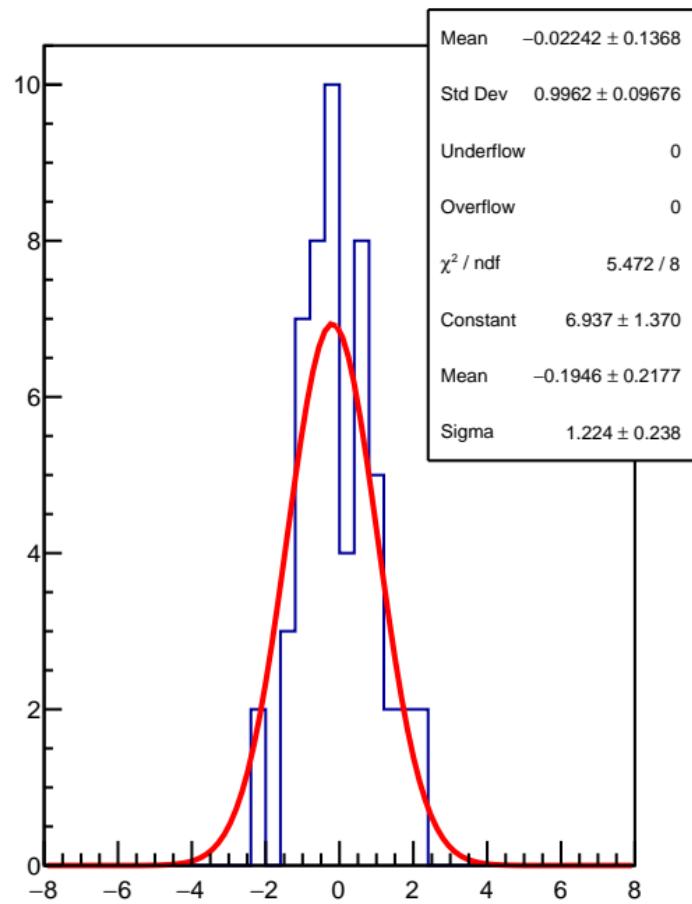
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slug77: reg_asym_atl_avg.mean/ppb

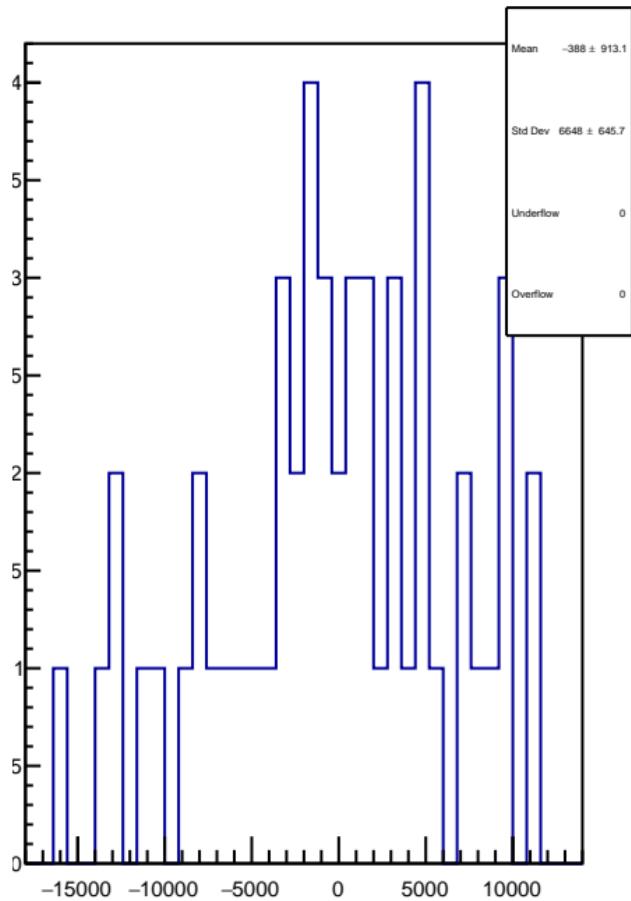
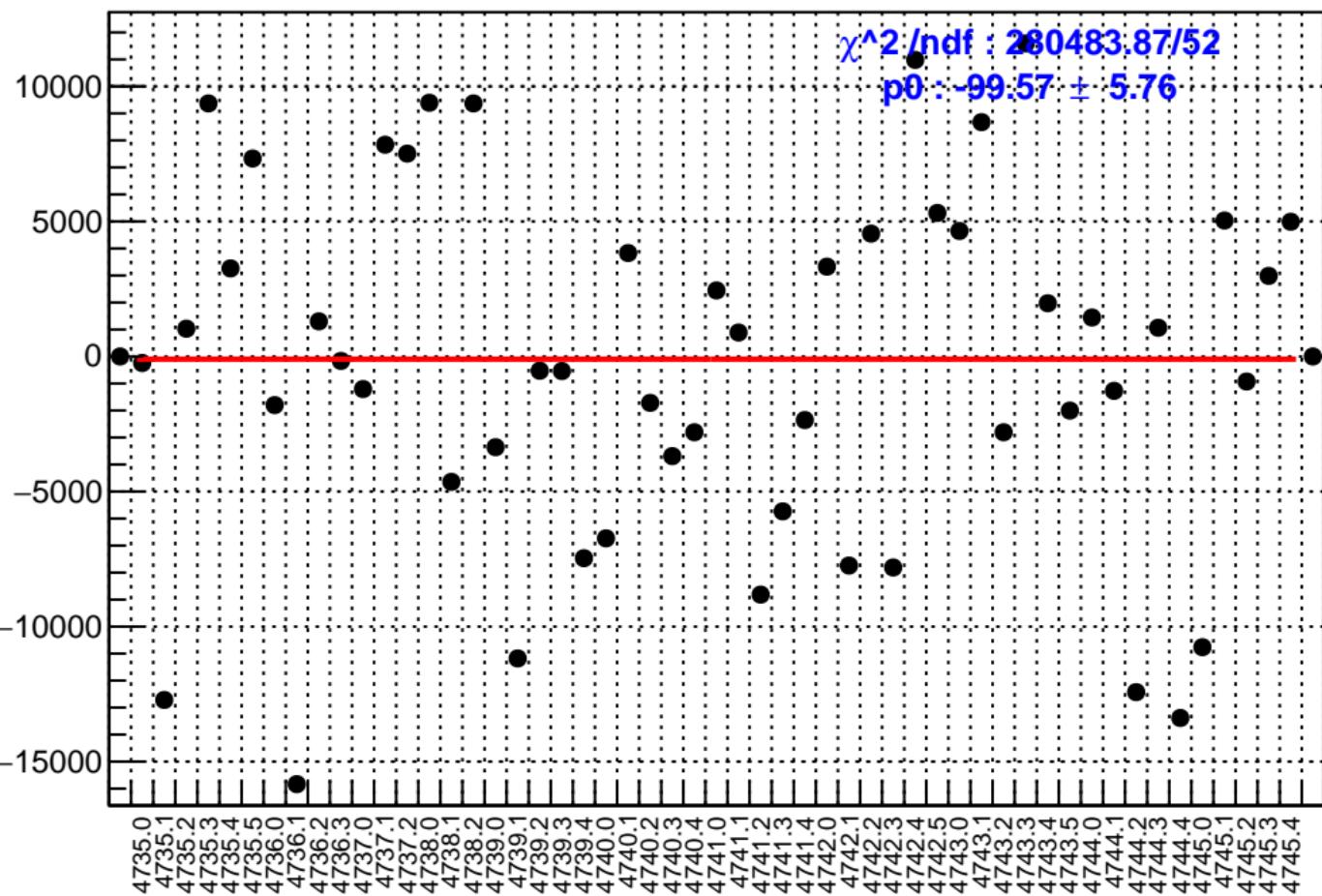


1D pull distribution

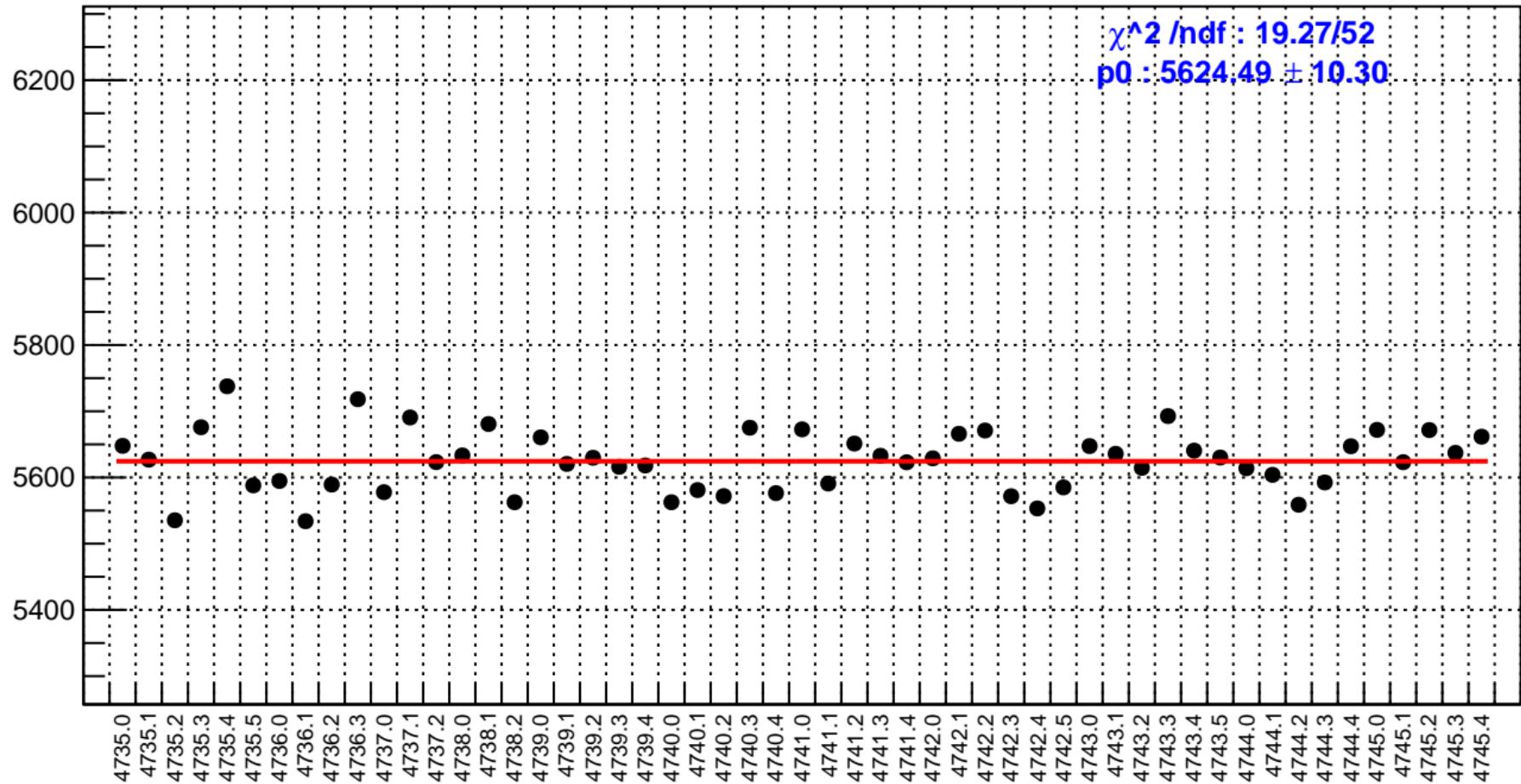


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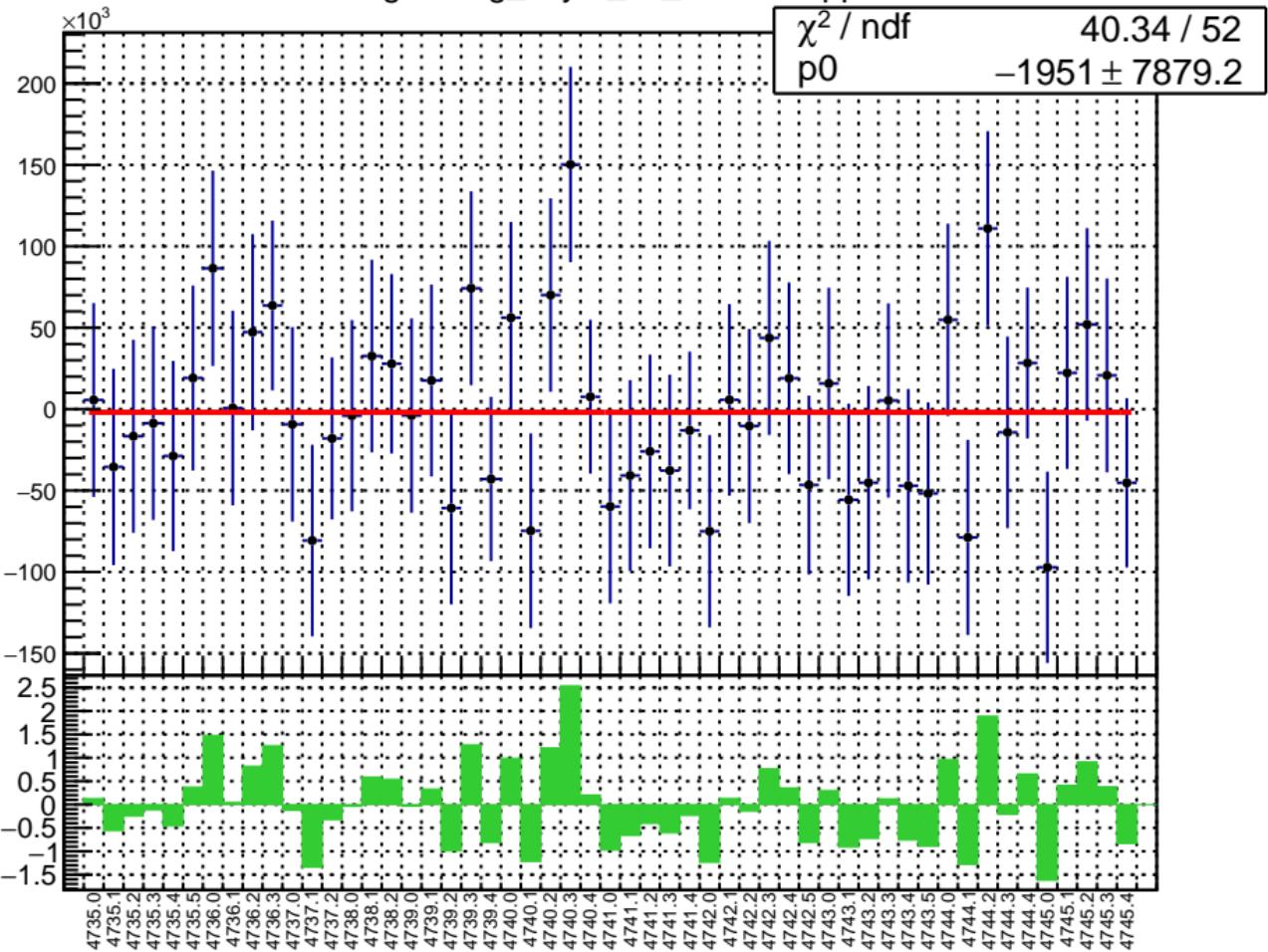
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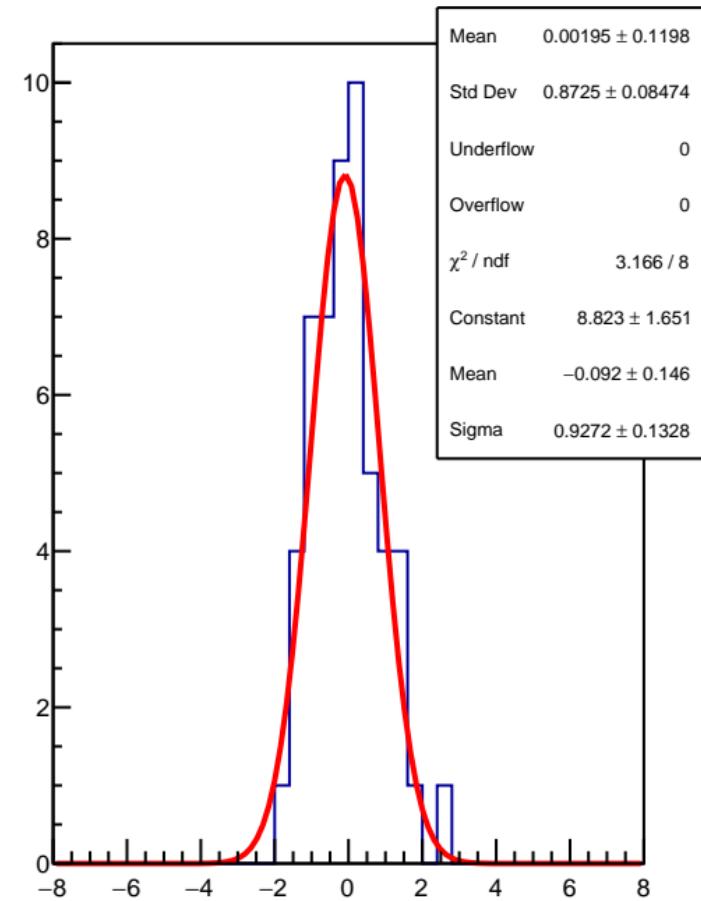
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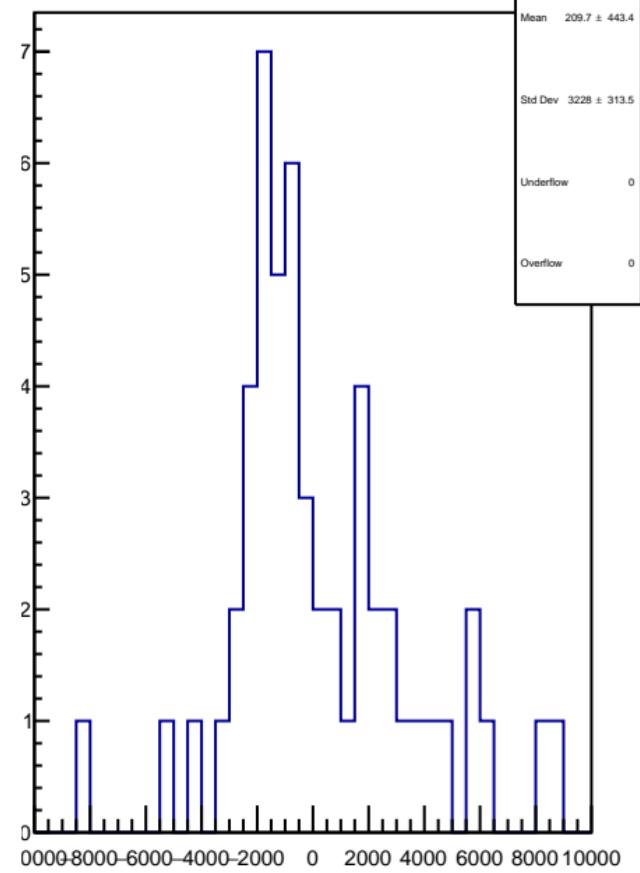
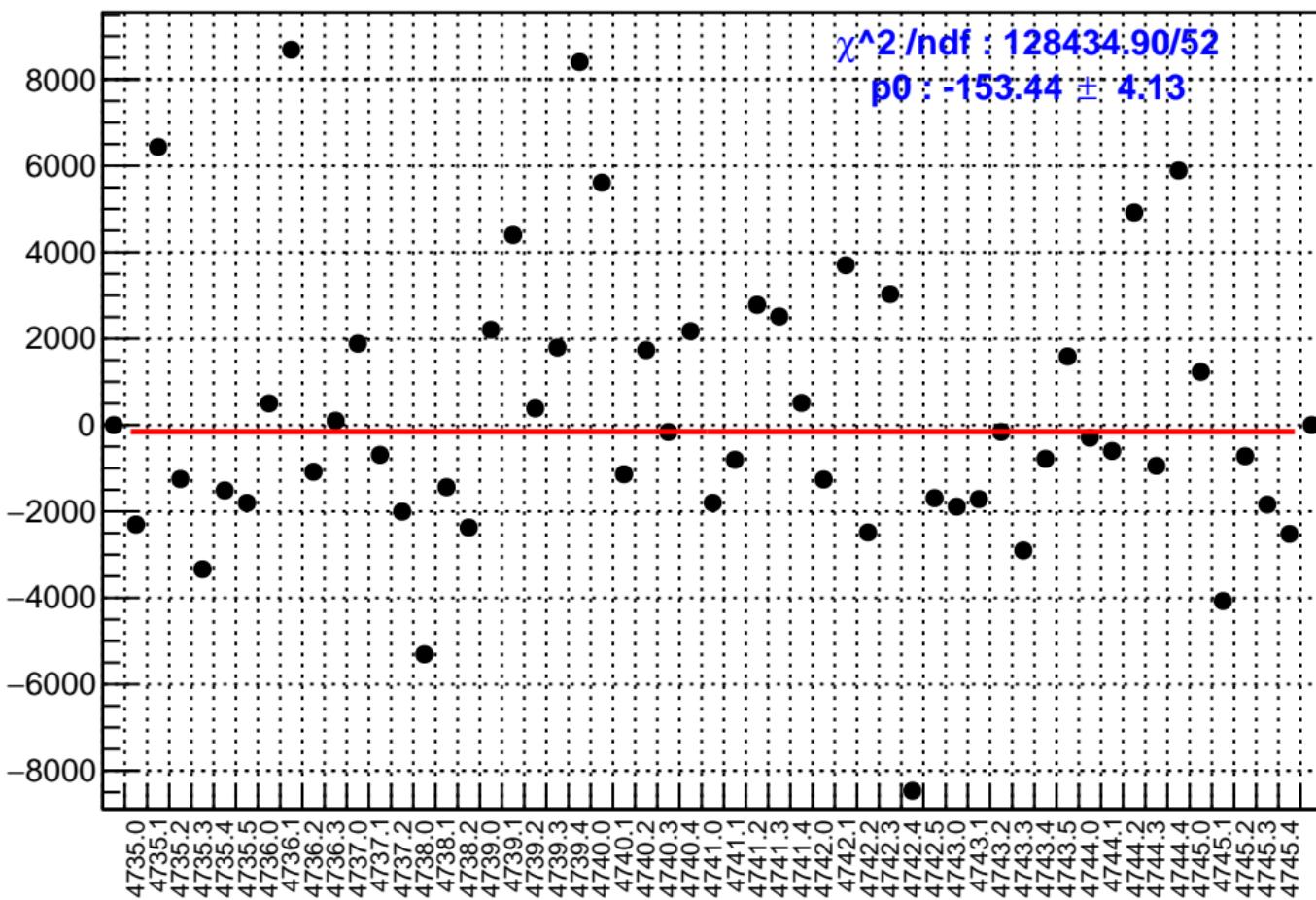


1D pull distribution

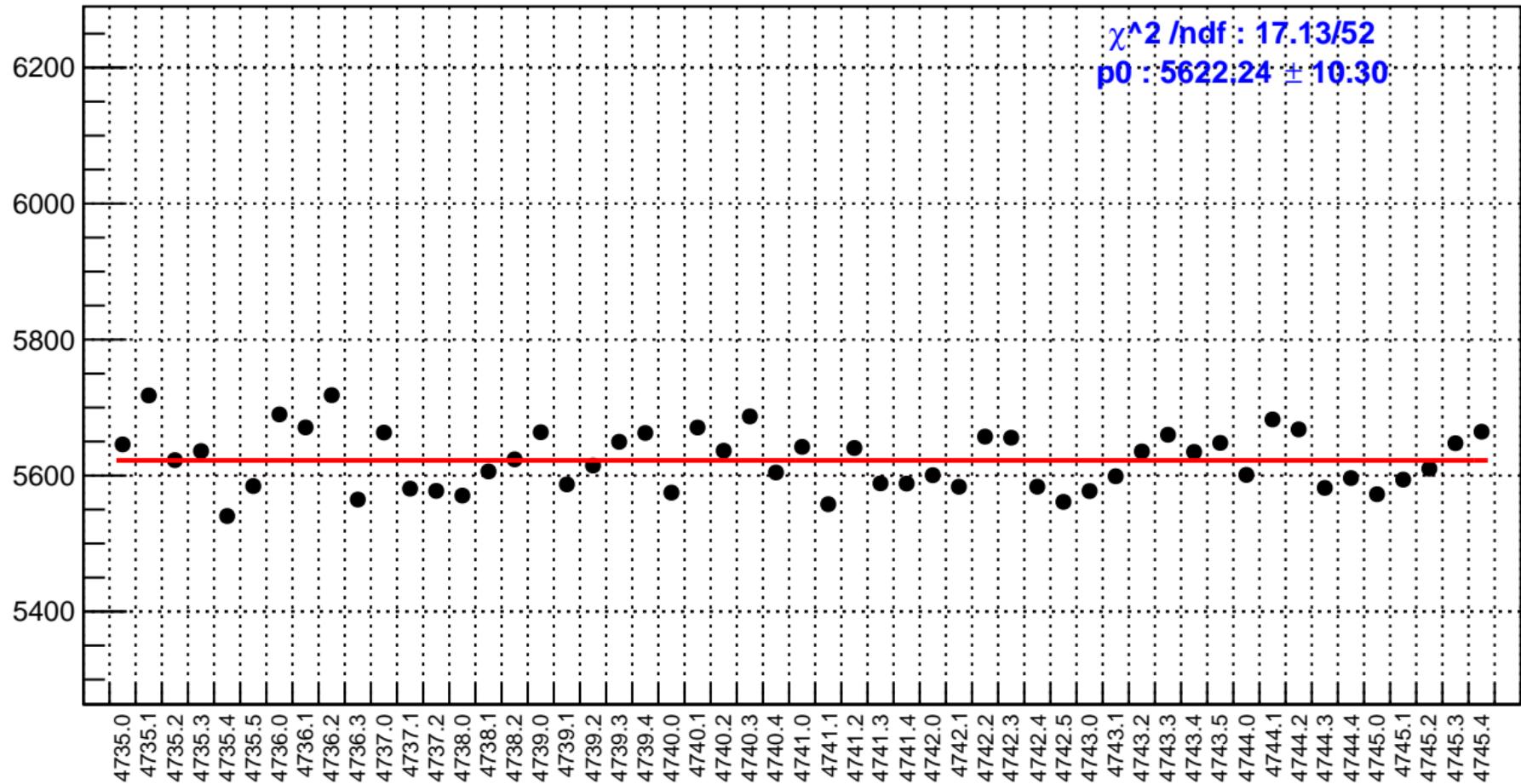


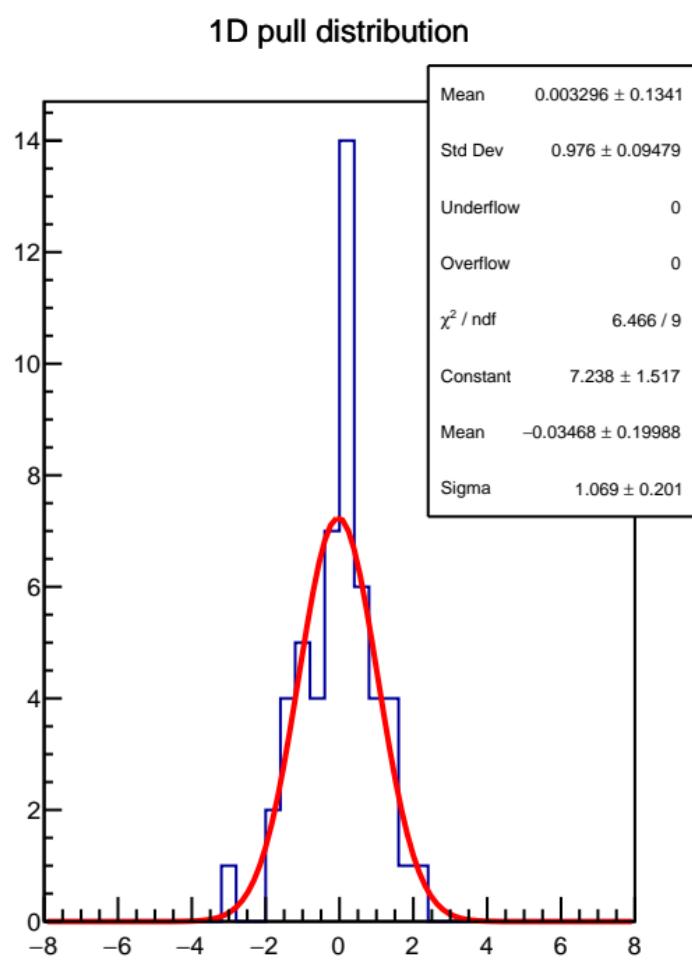
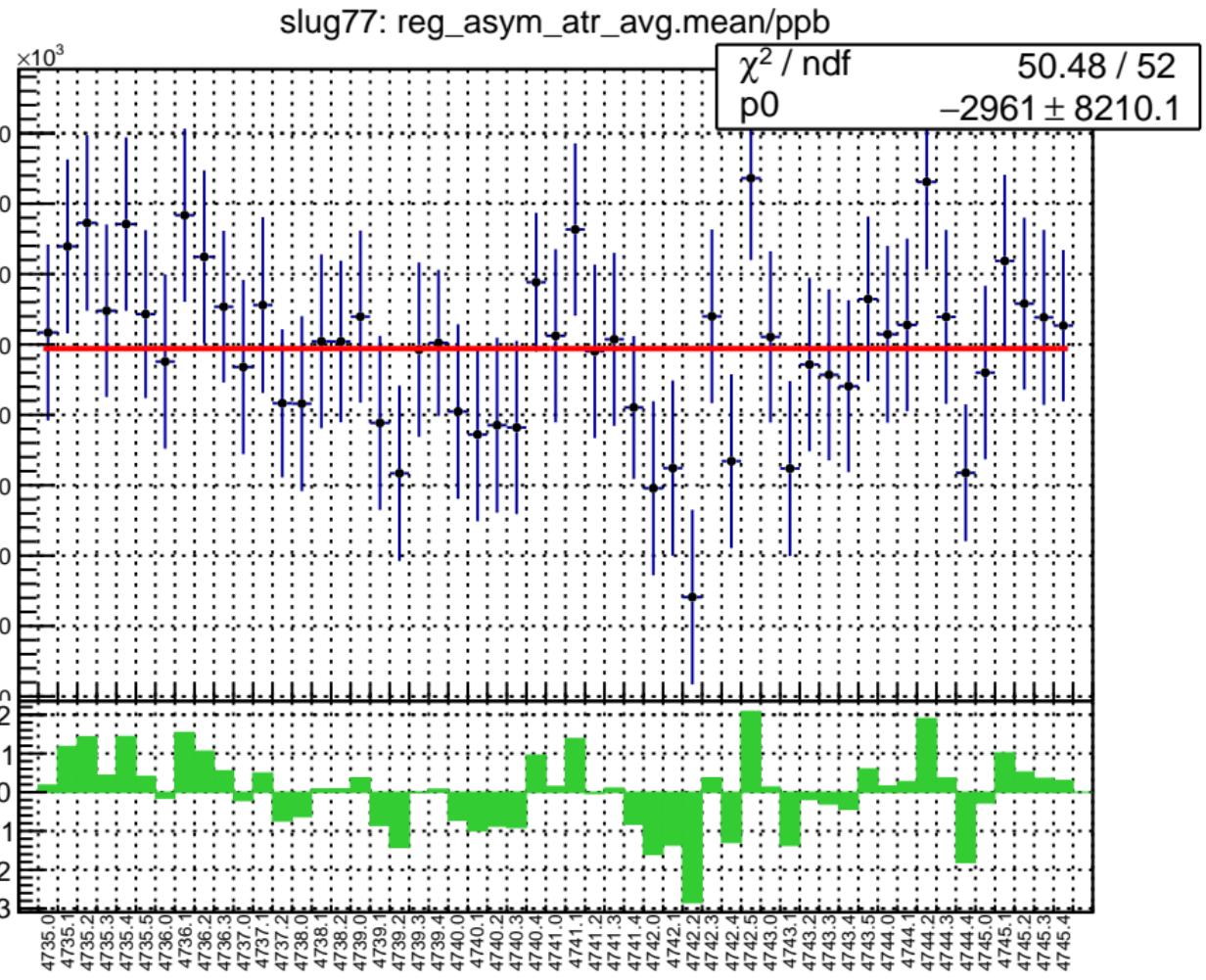
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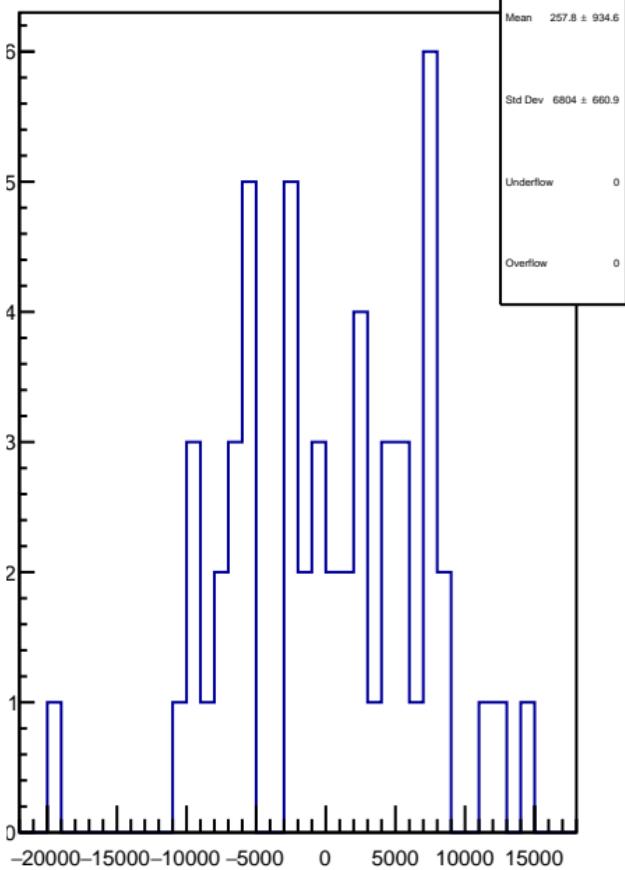
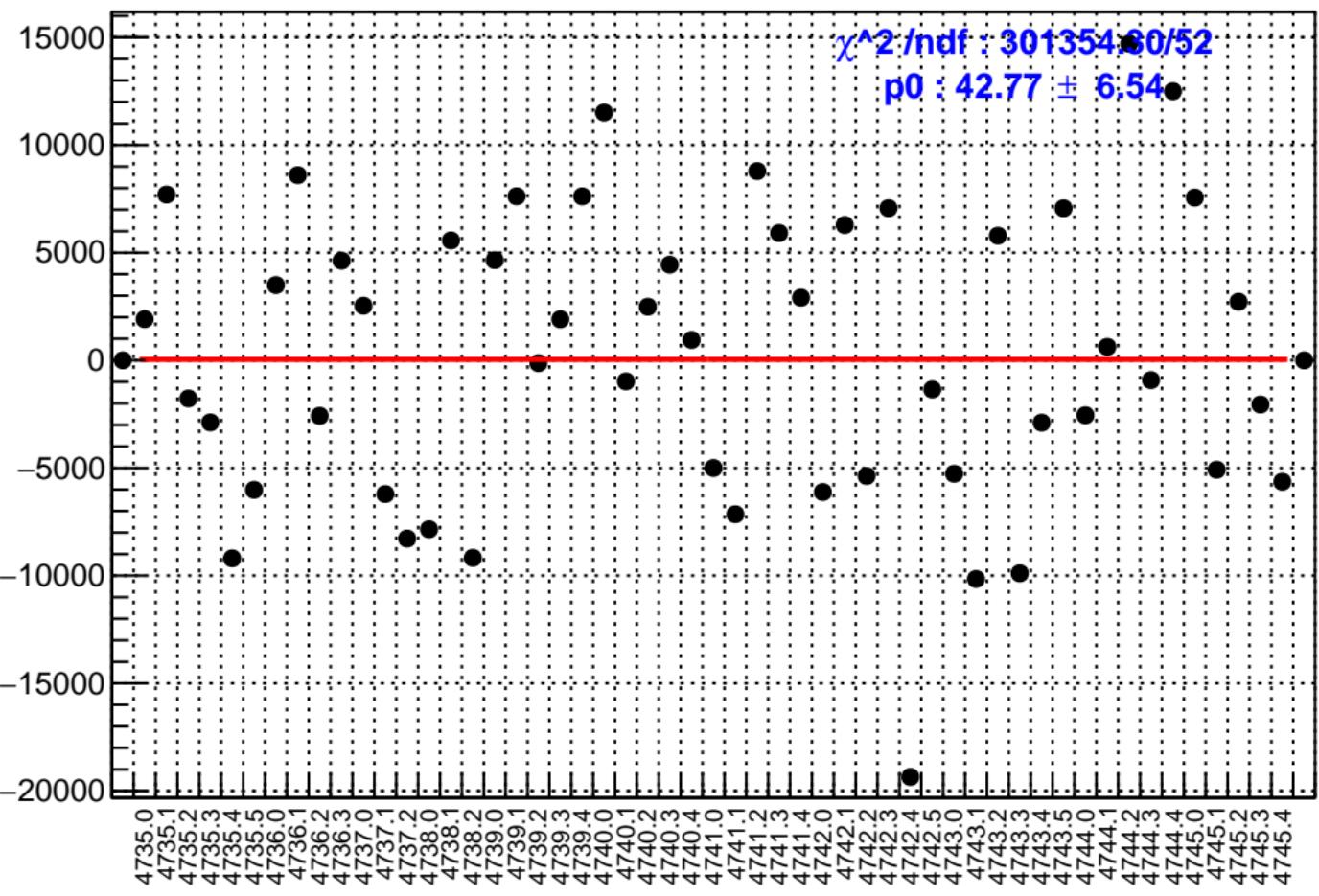
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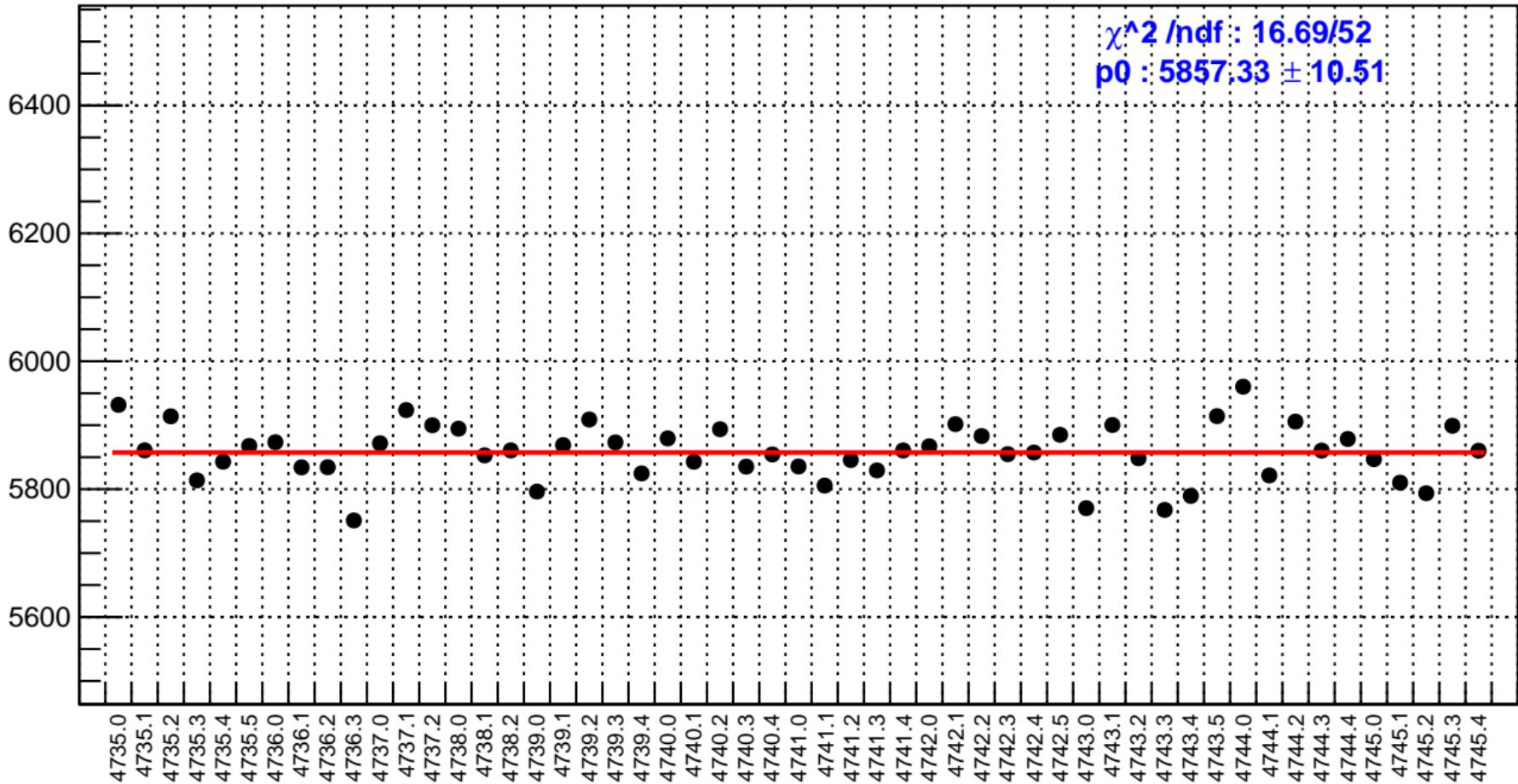
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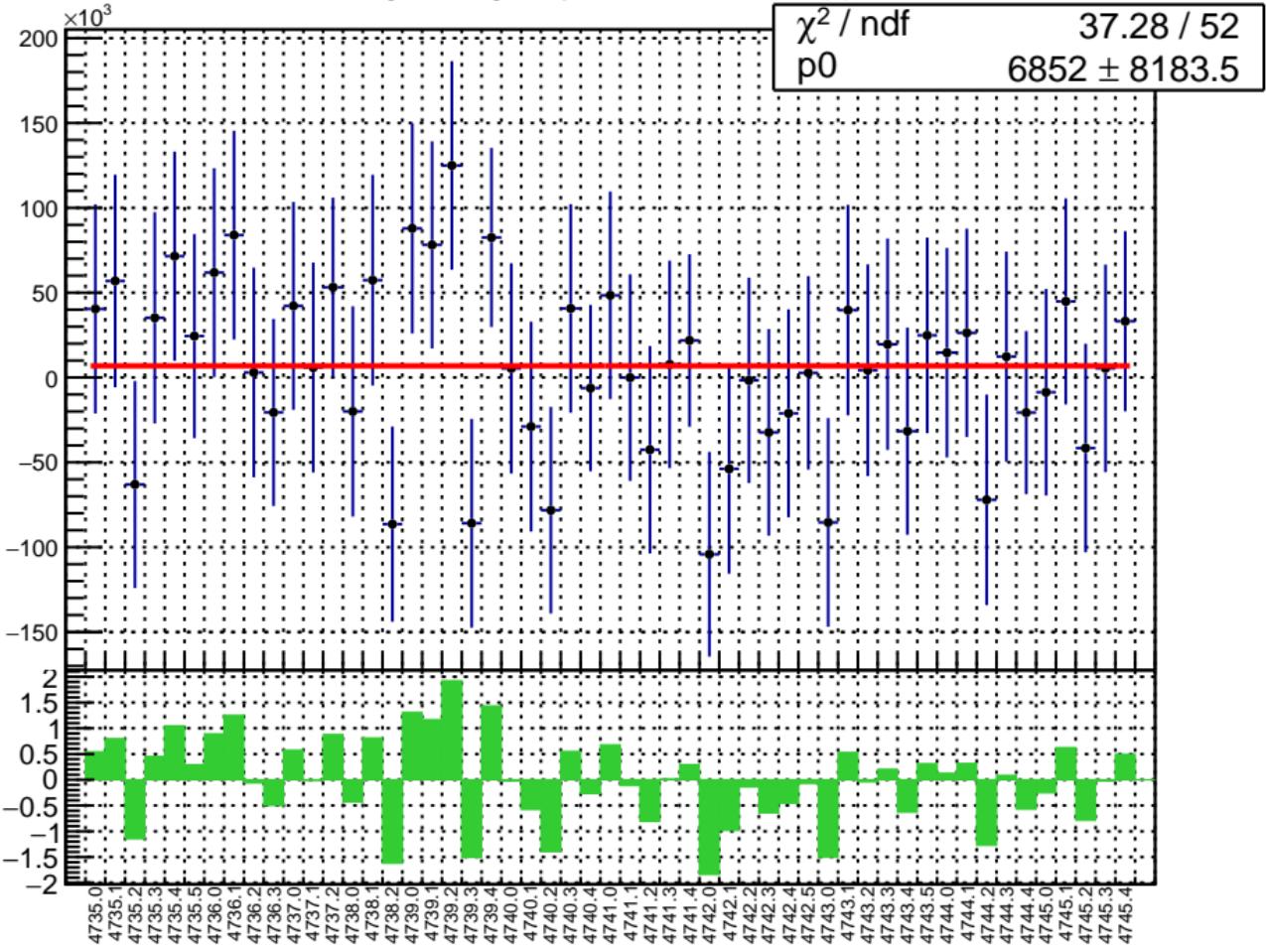




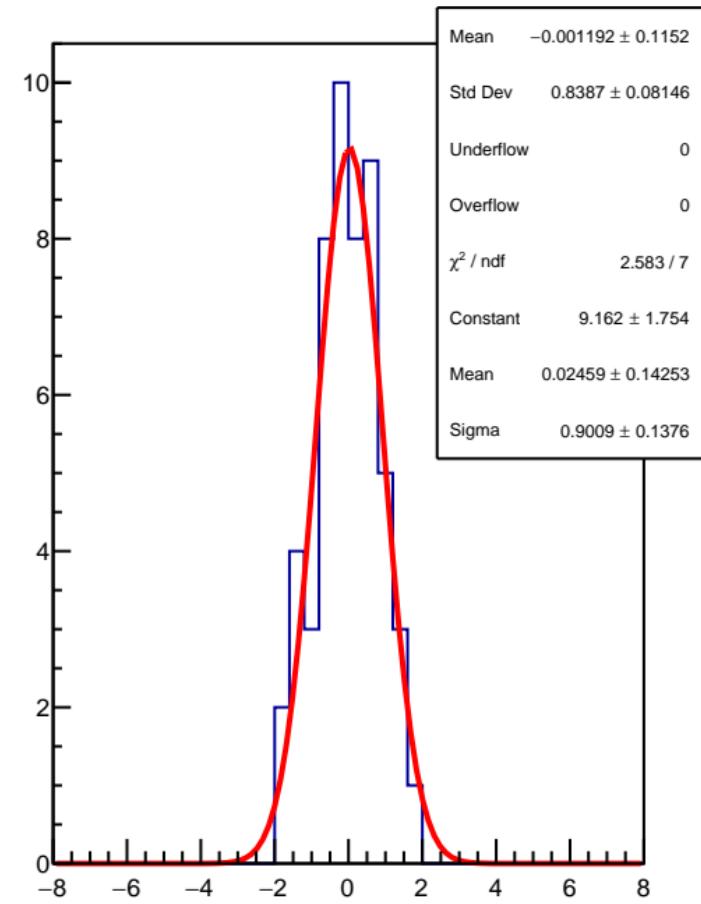
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slug77: reg_asym_atr_dd.mean/ppb

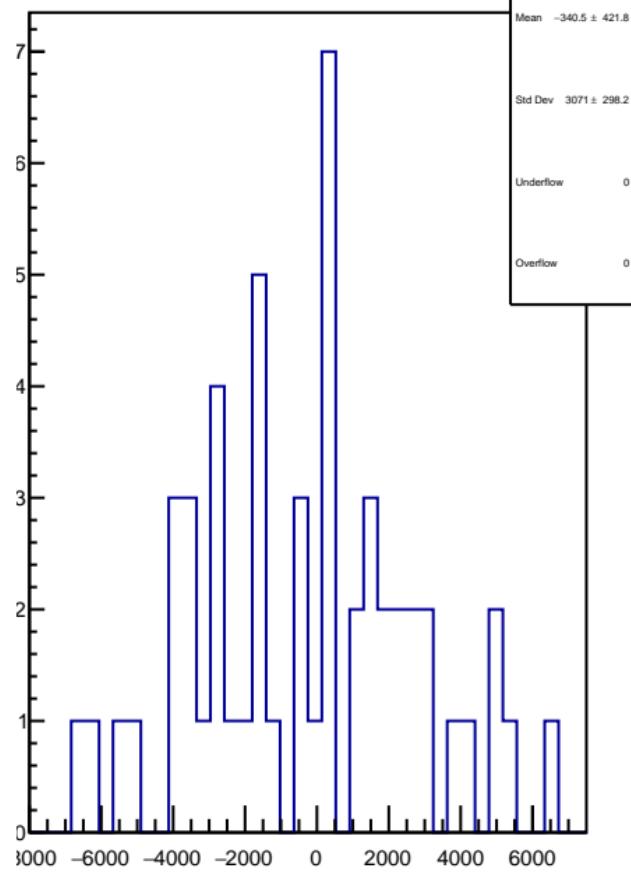
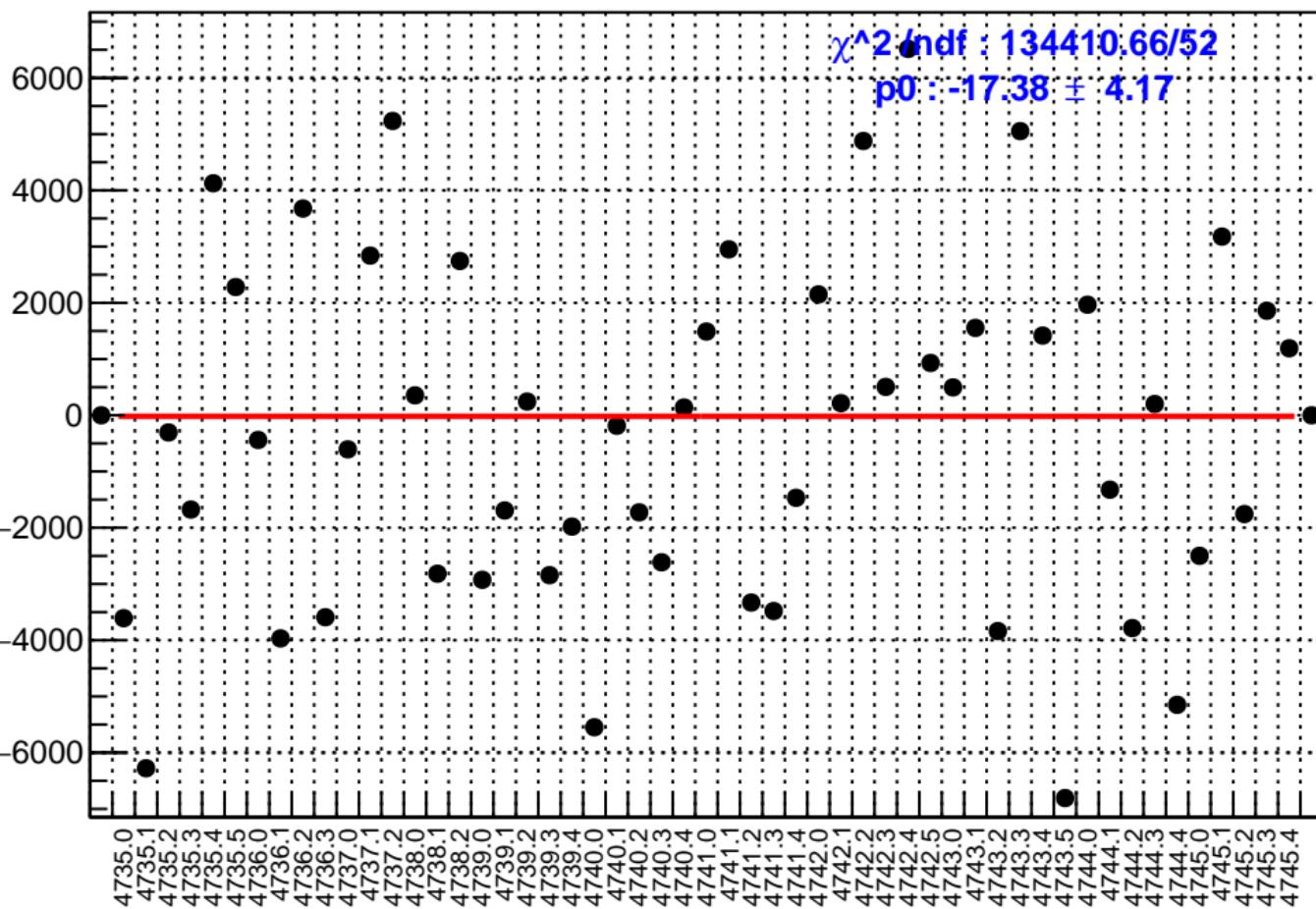


1D pull distribution

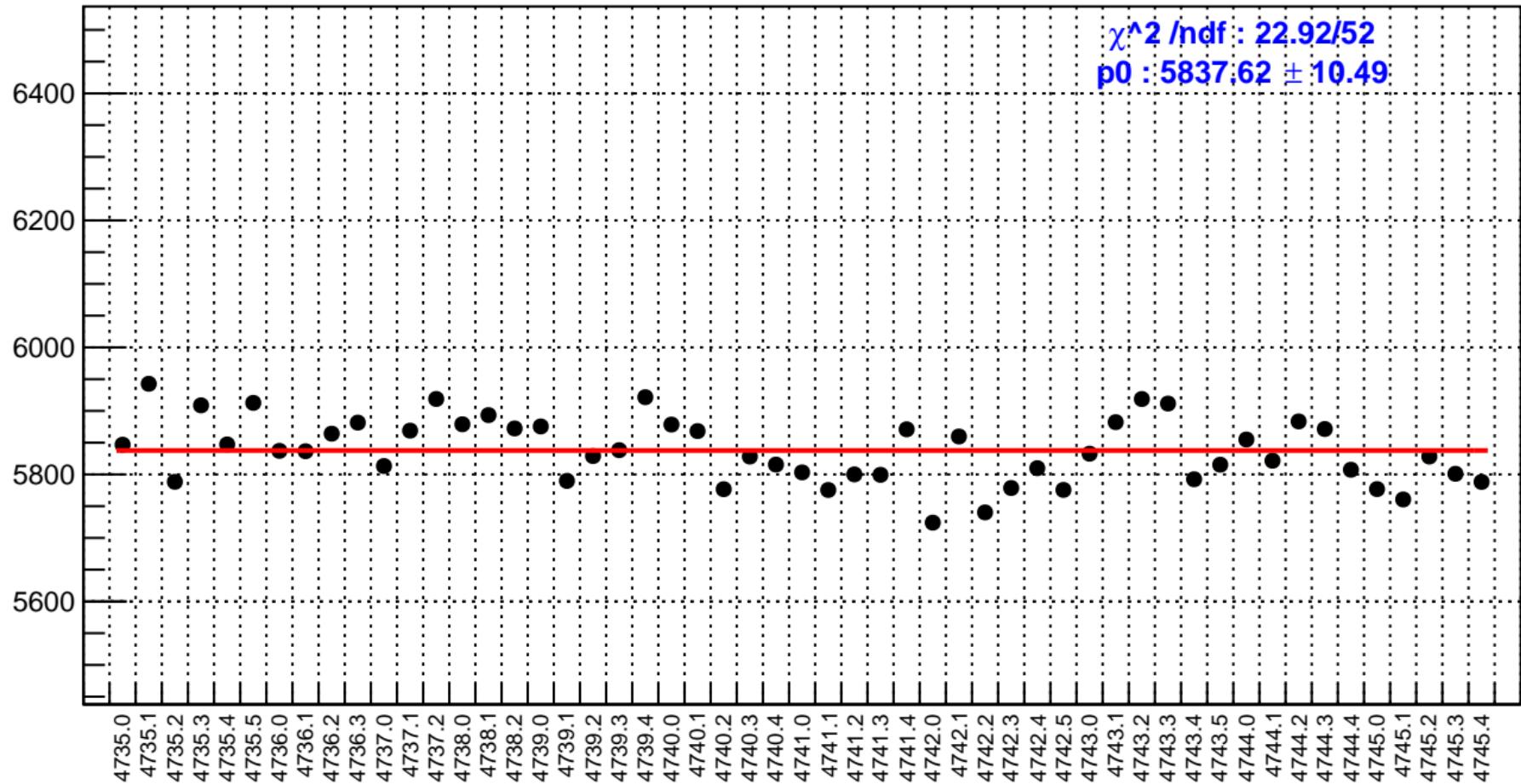


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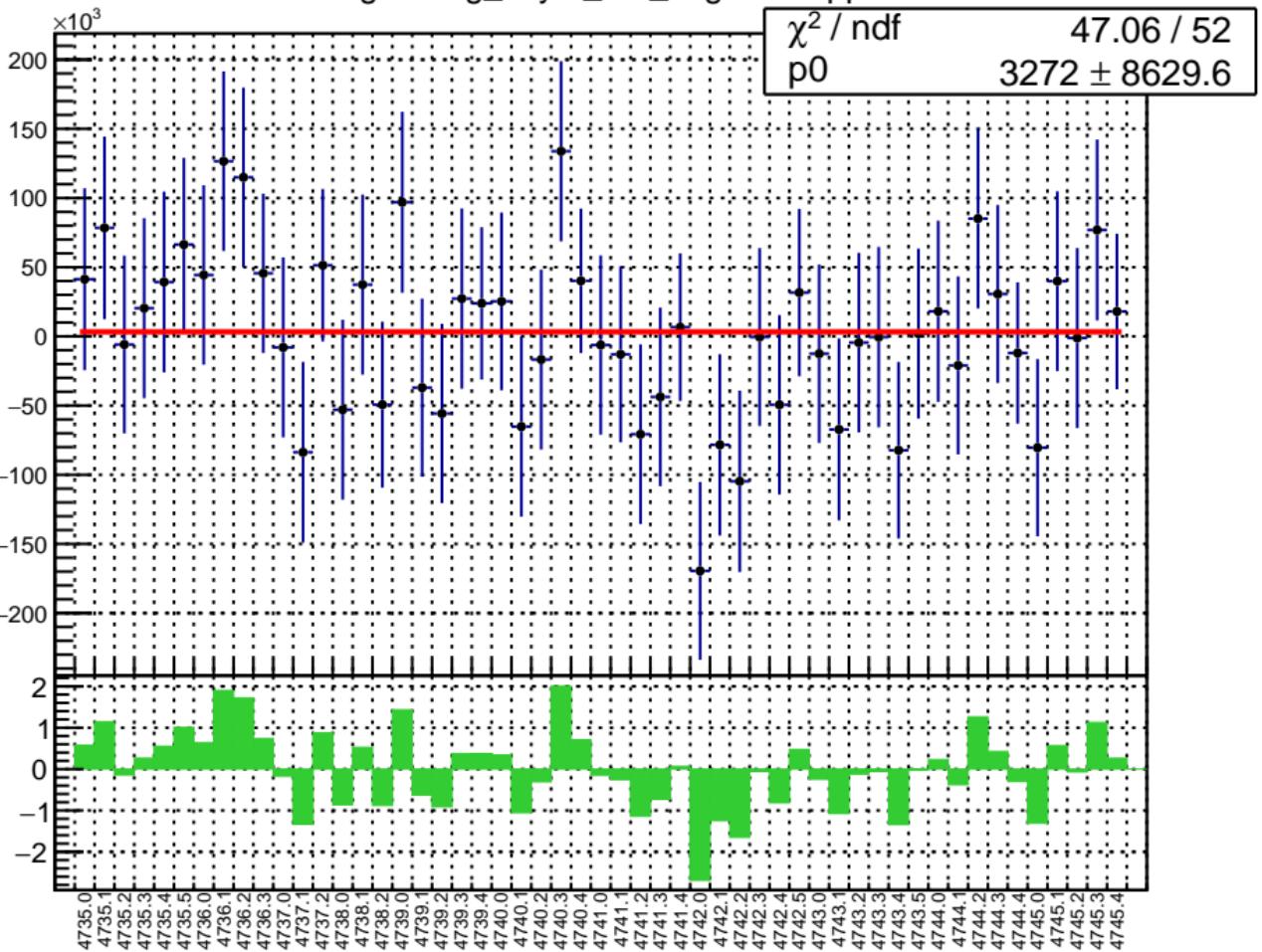
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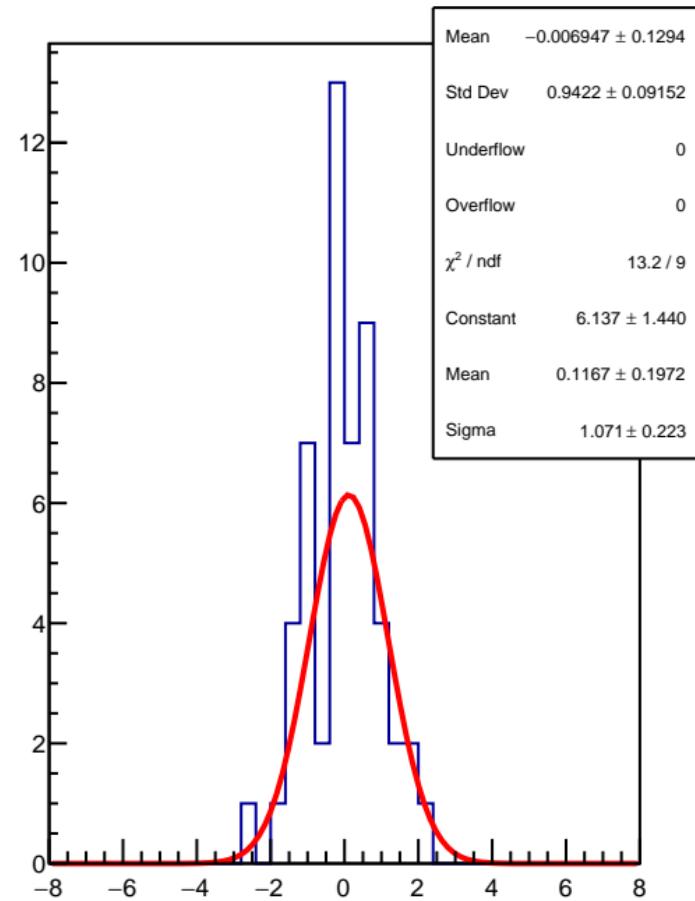
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slug77: reg_asym_at1_avg.mean/ppb

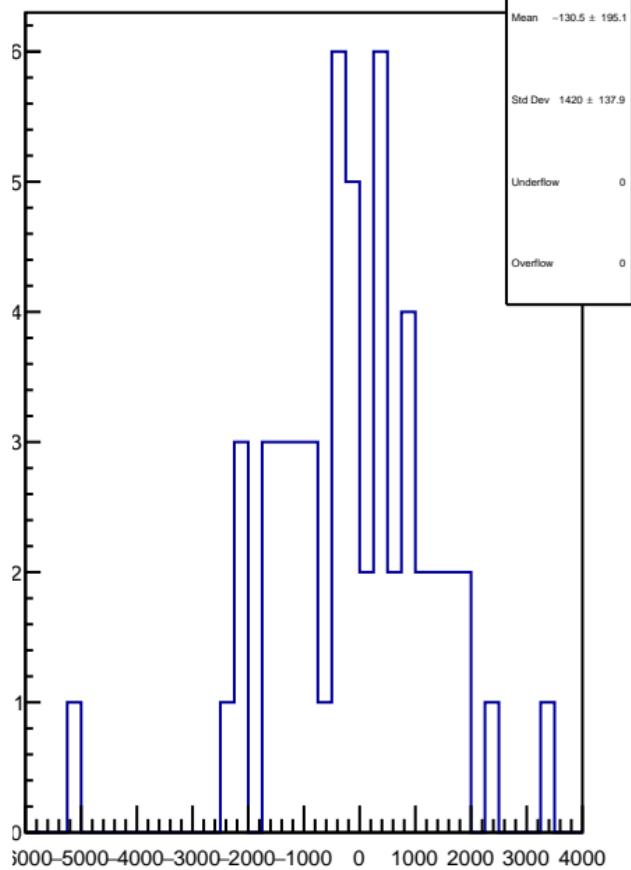
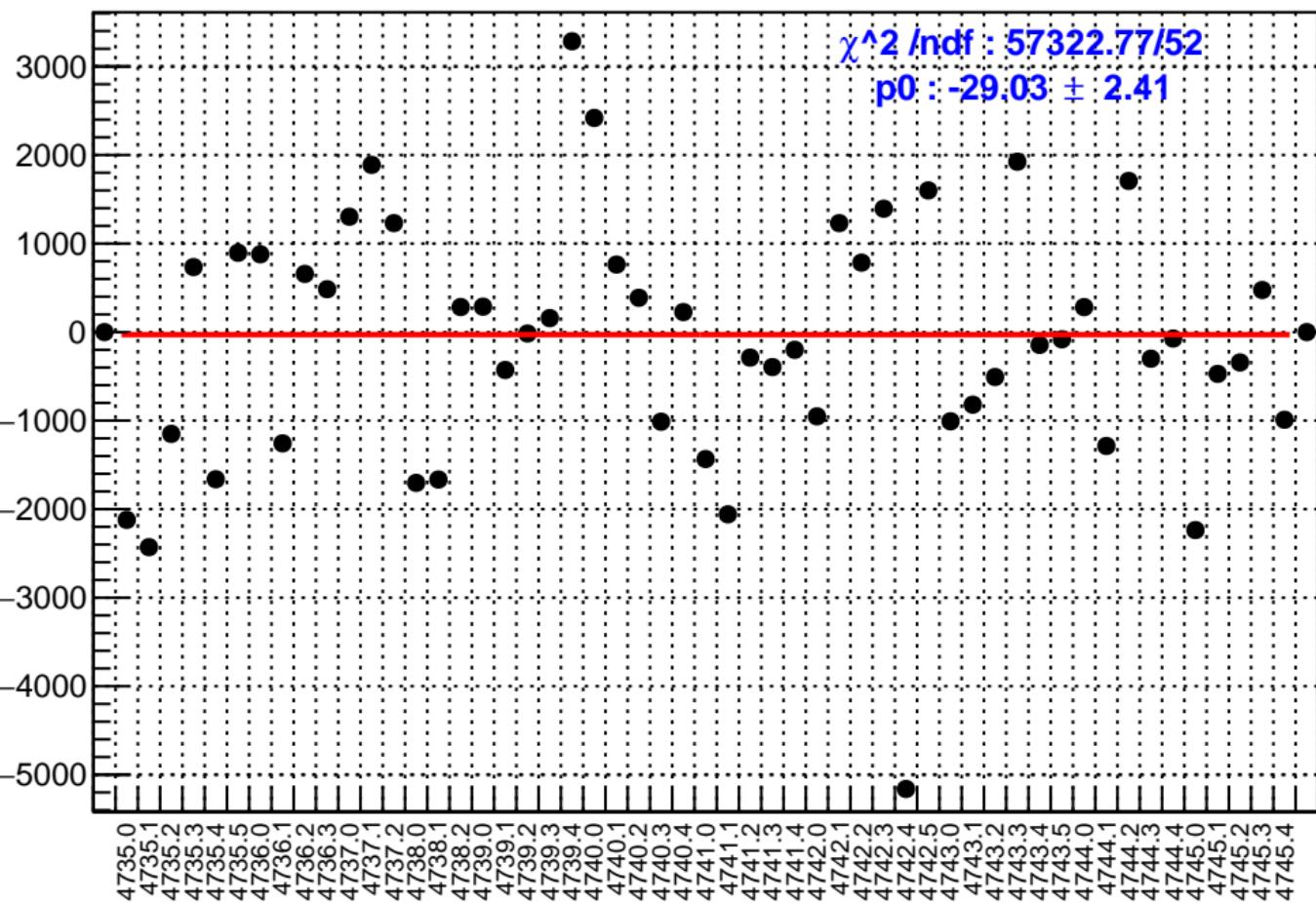


1D pull distribution

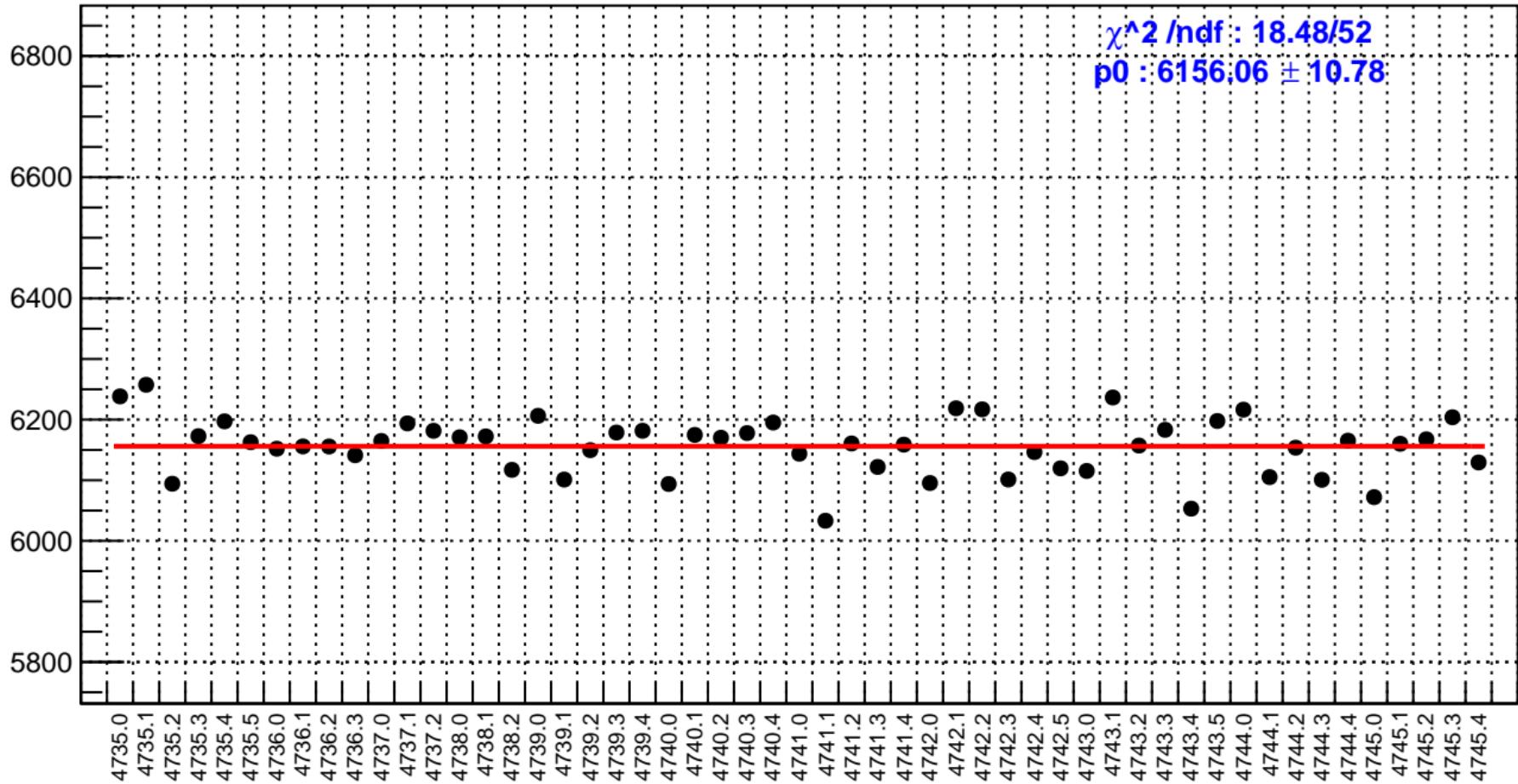


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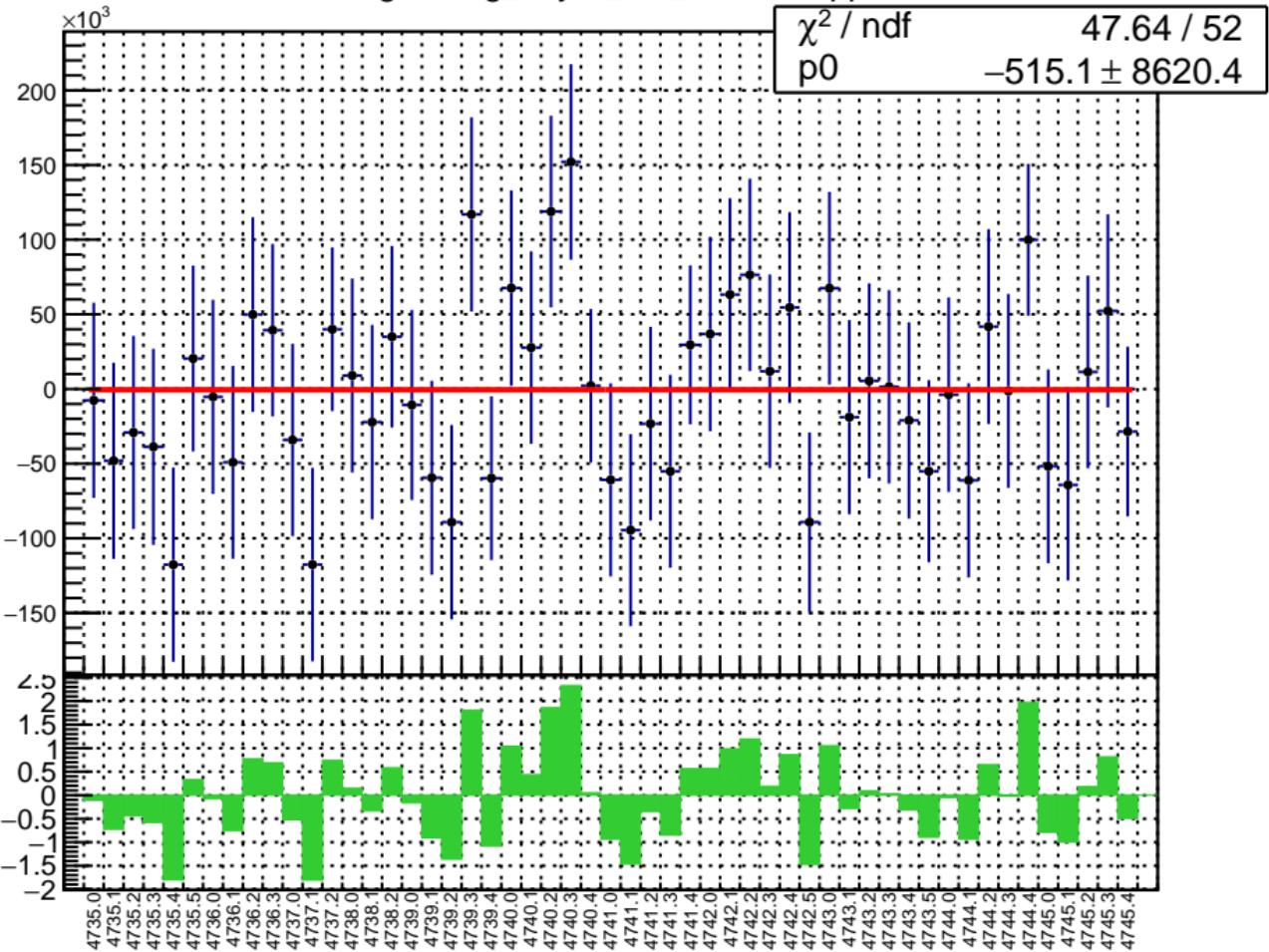
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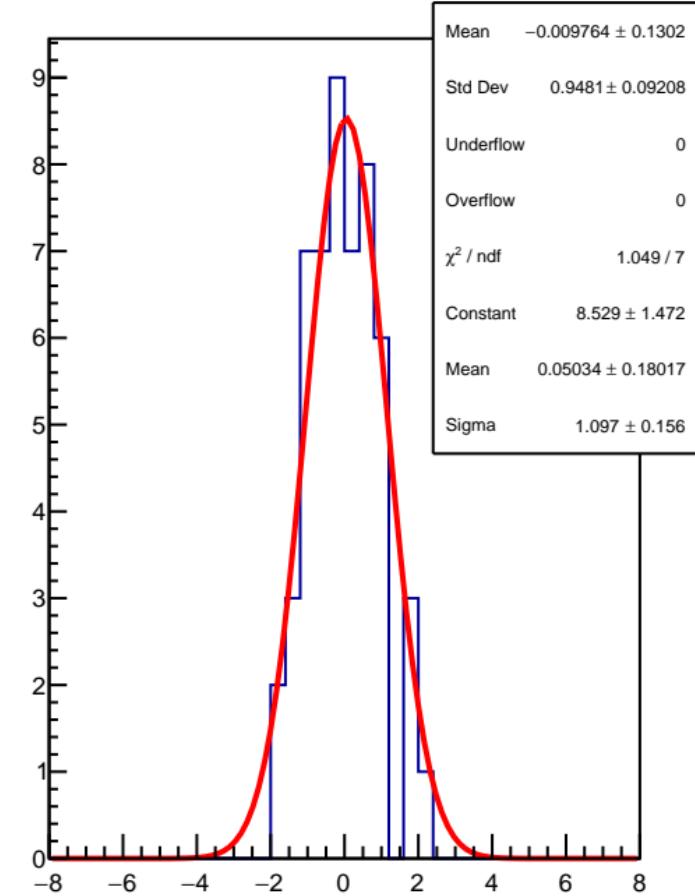
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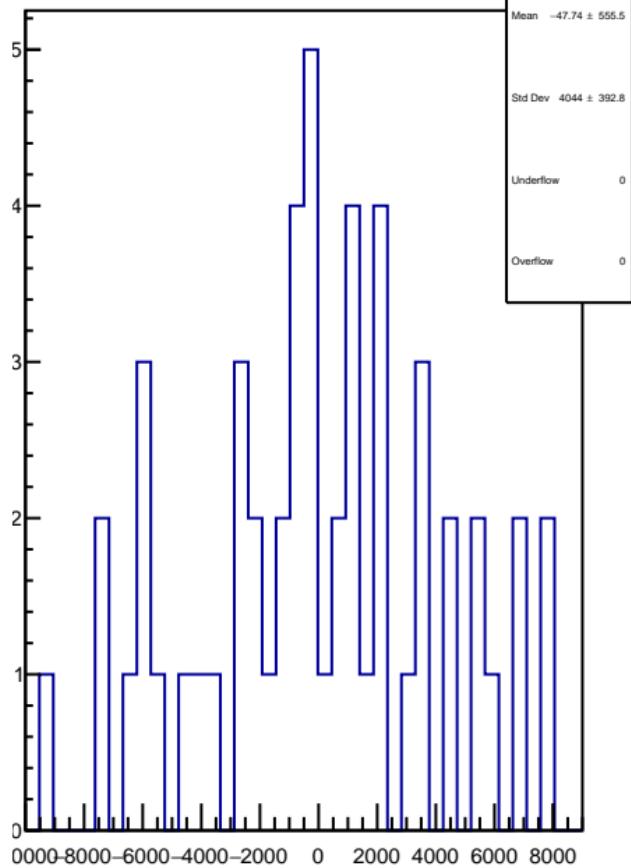
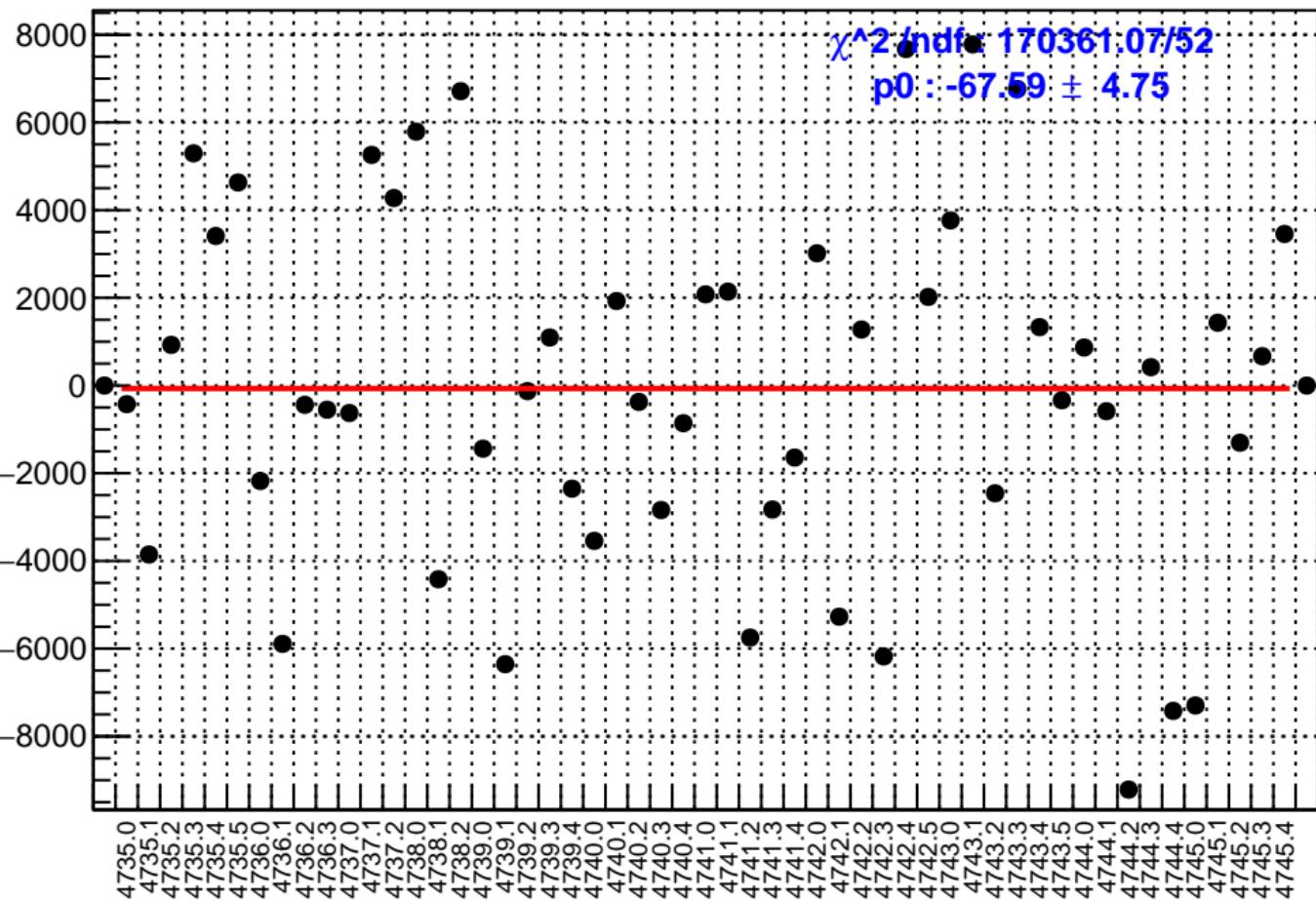


1D pull distribution

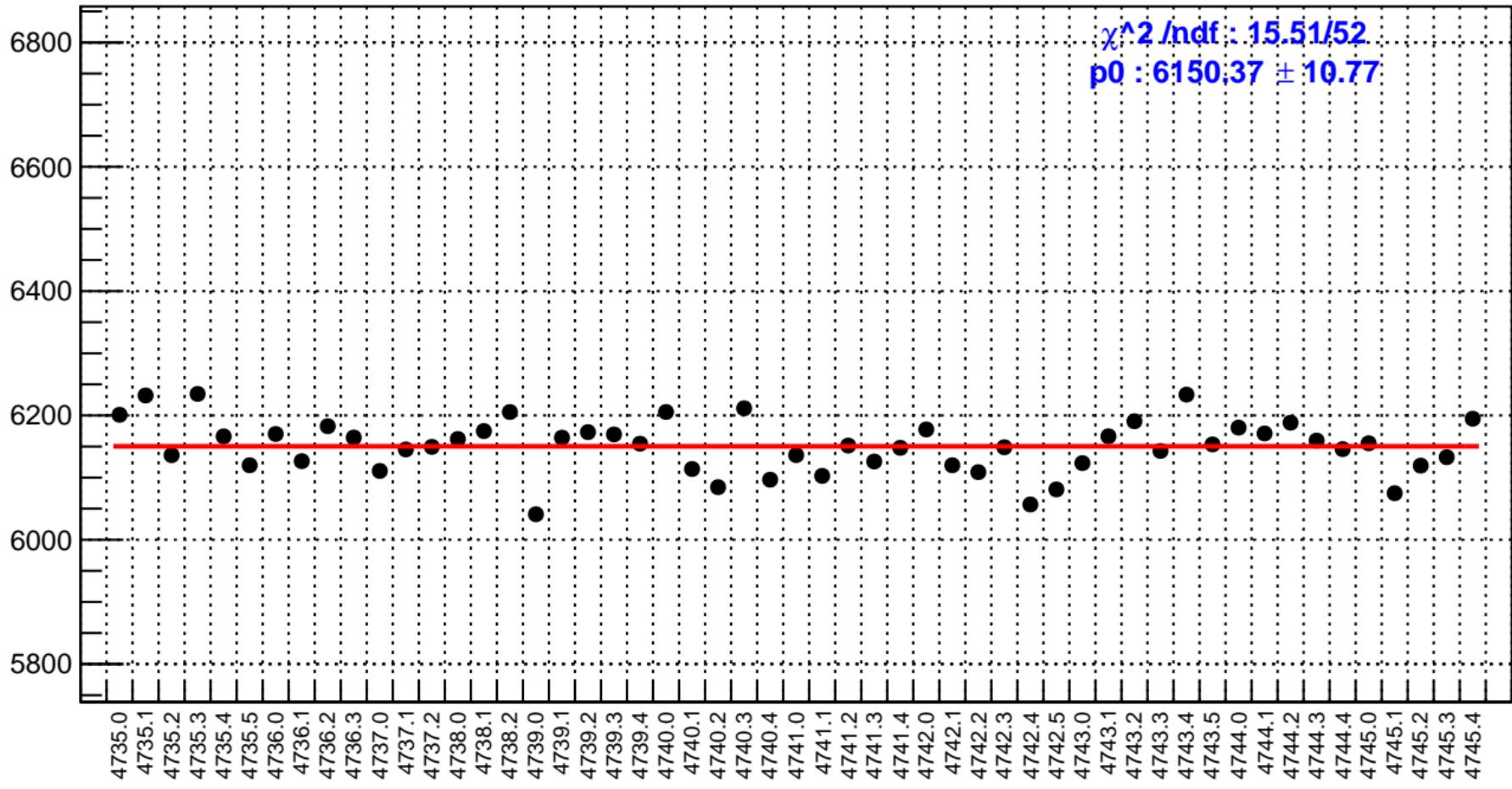


slug77: asym_at1_dd.mean/ppb-reg_asym_at1_dd.mean/ppb

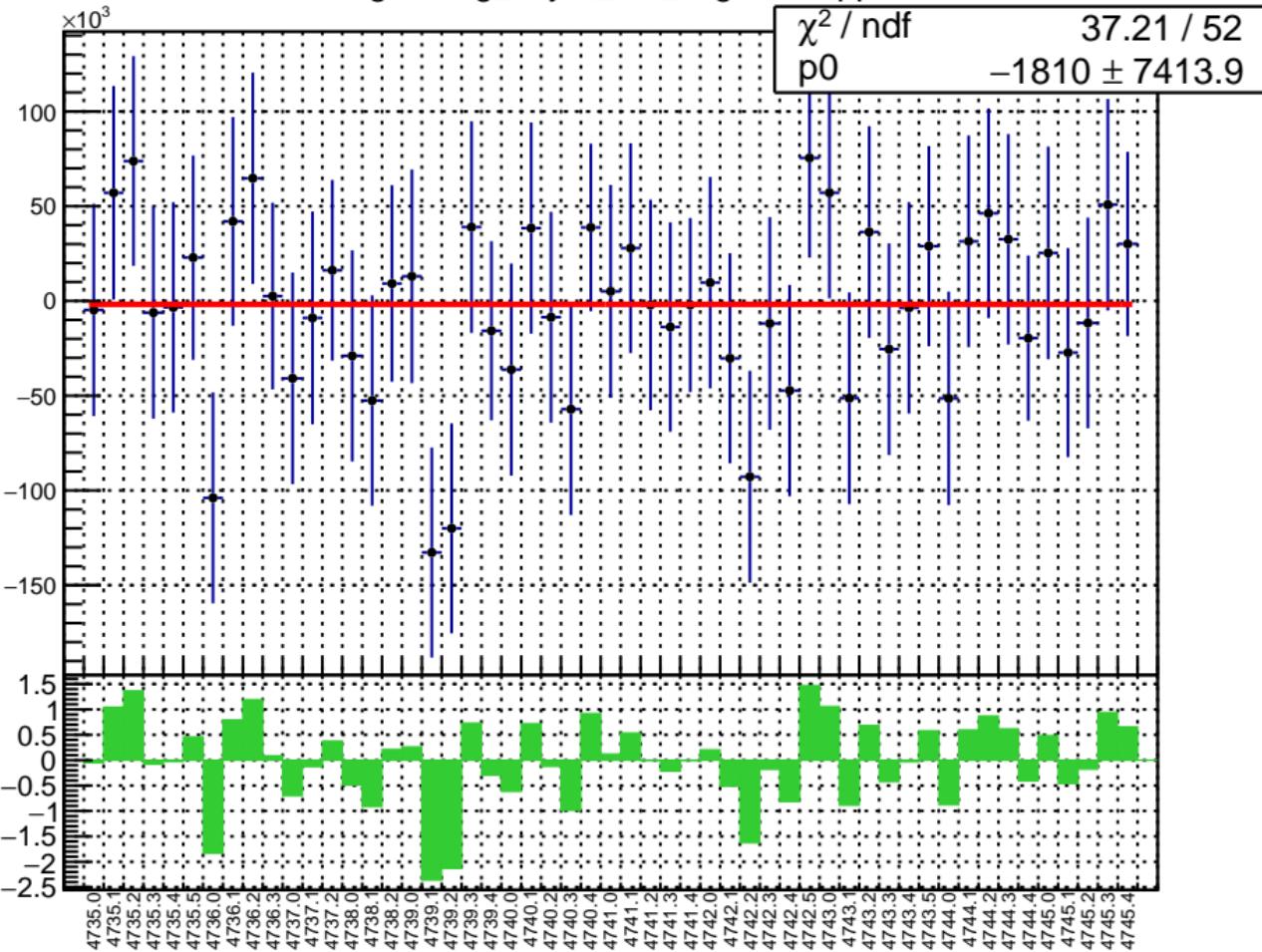
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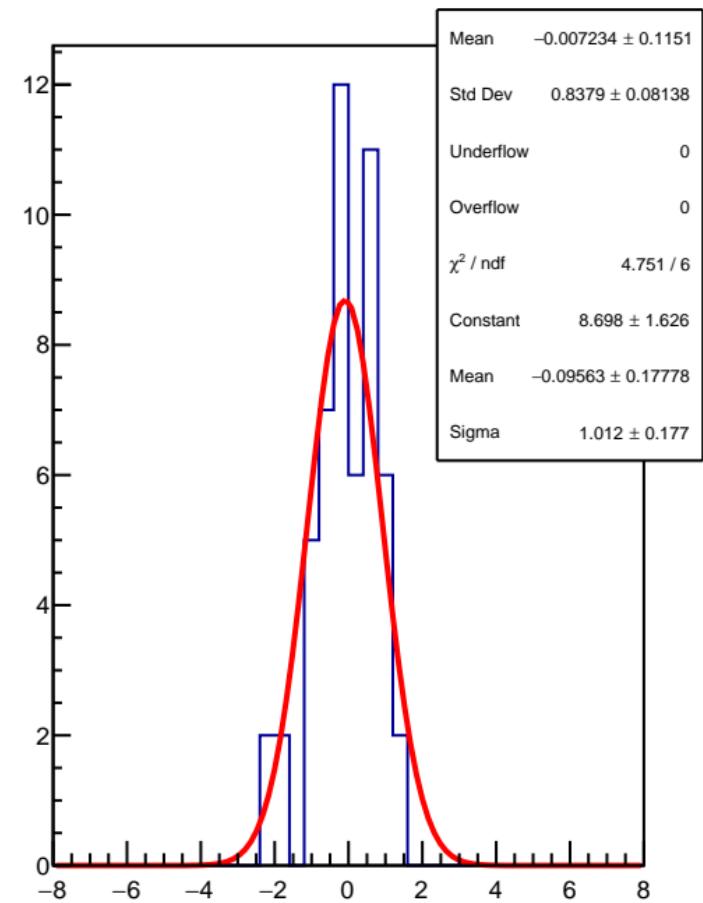
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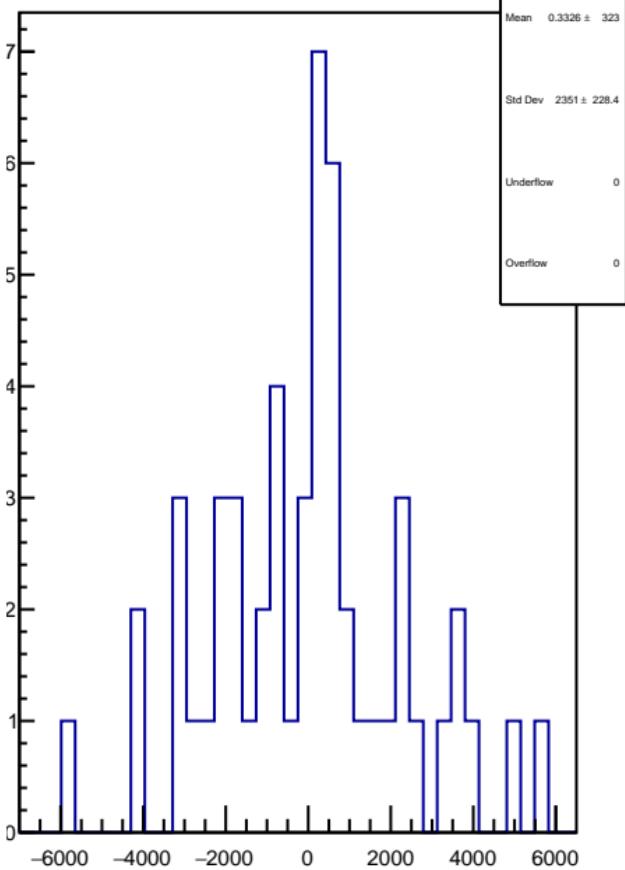
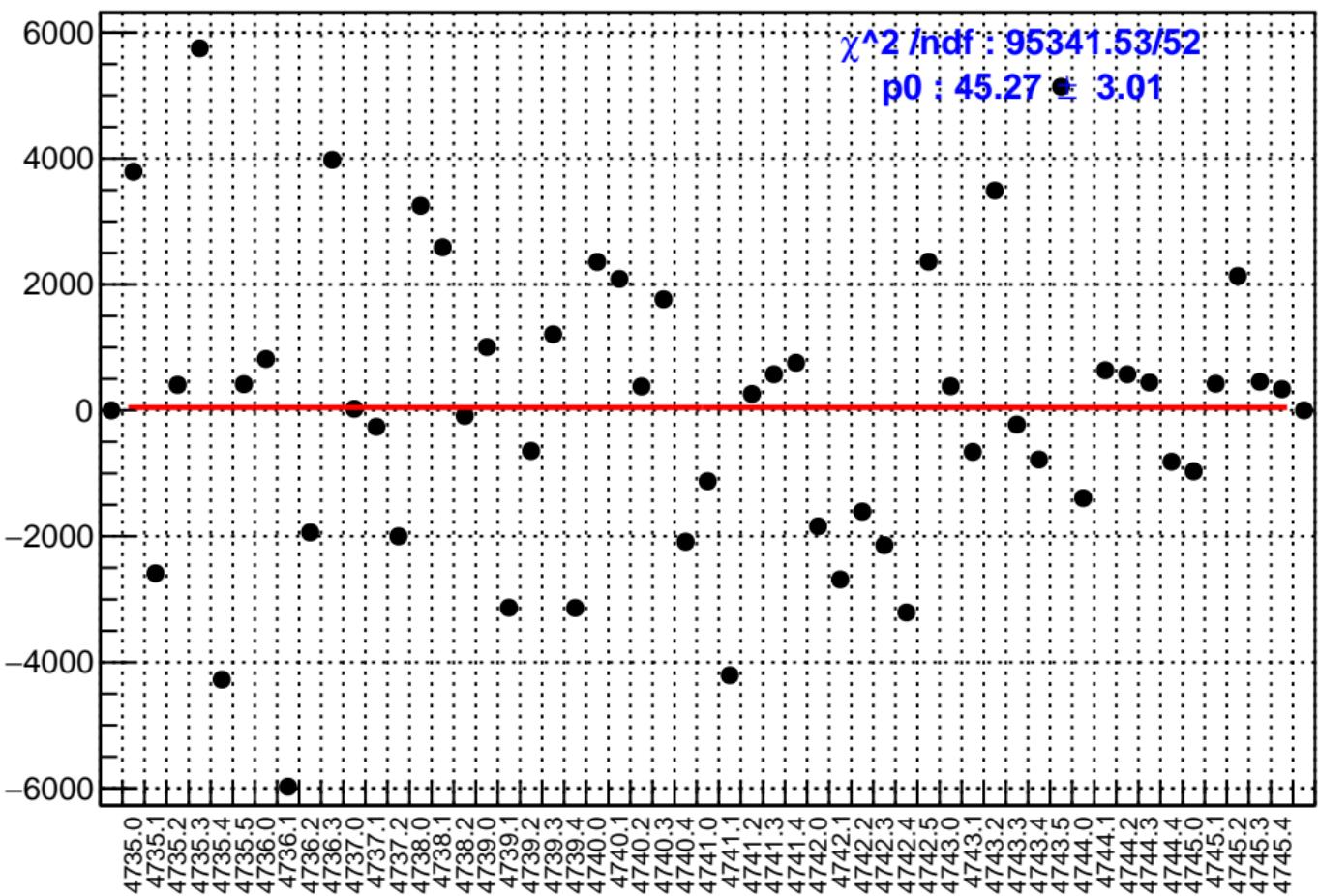


1D pull distribution

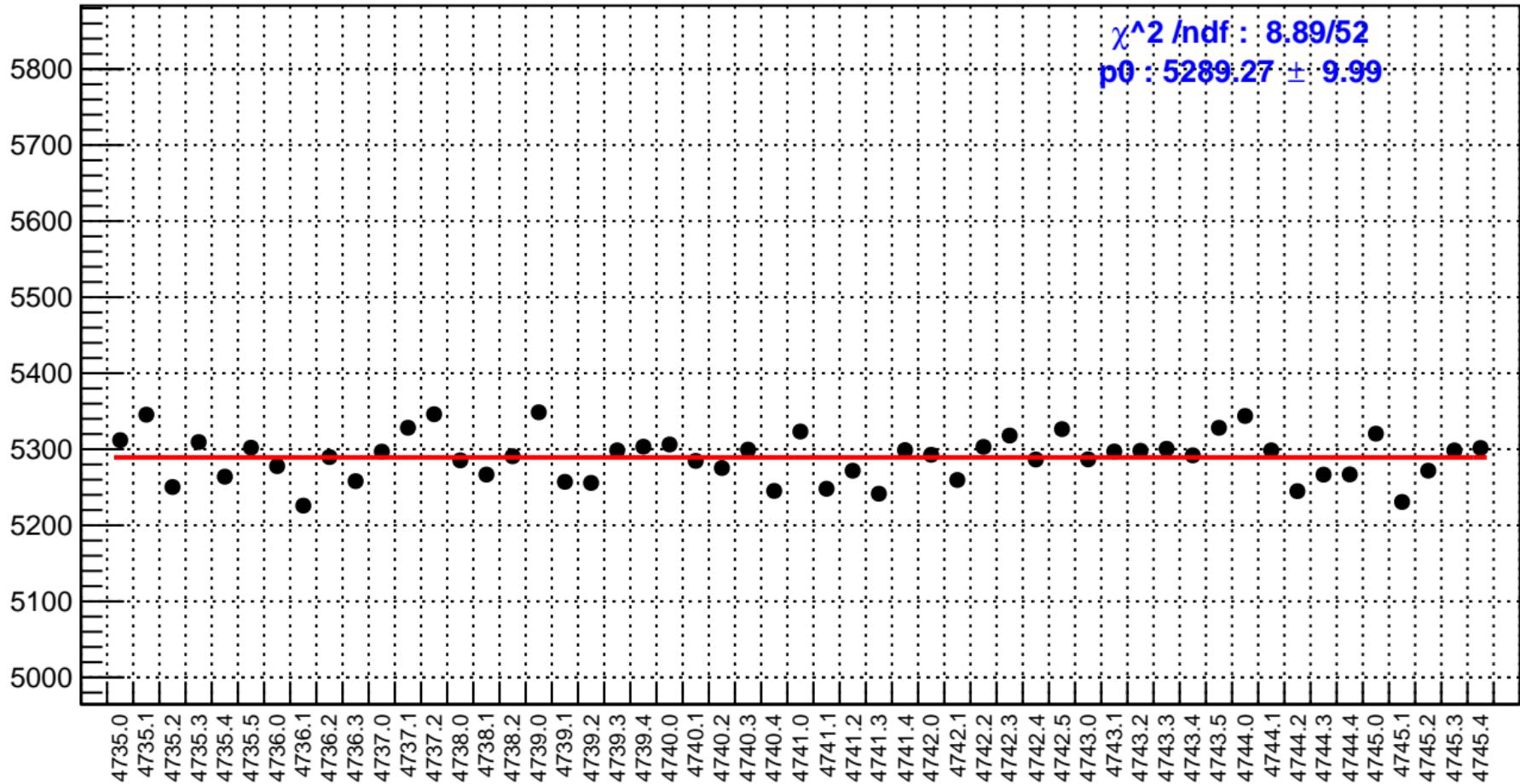


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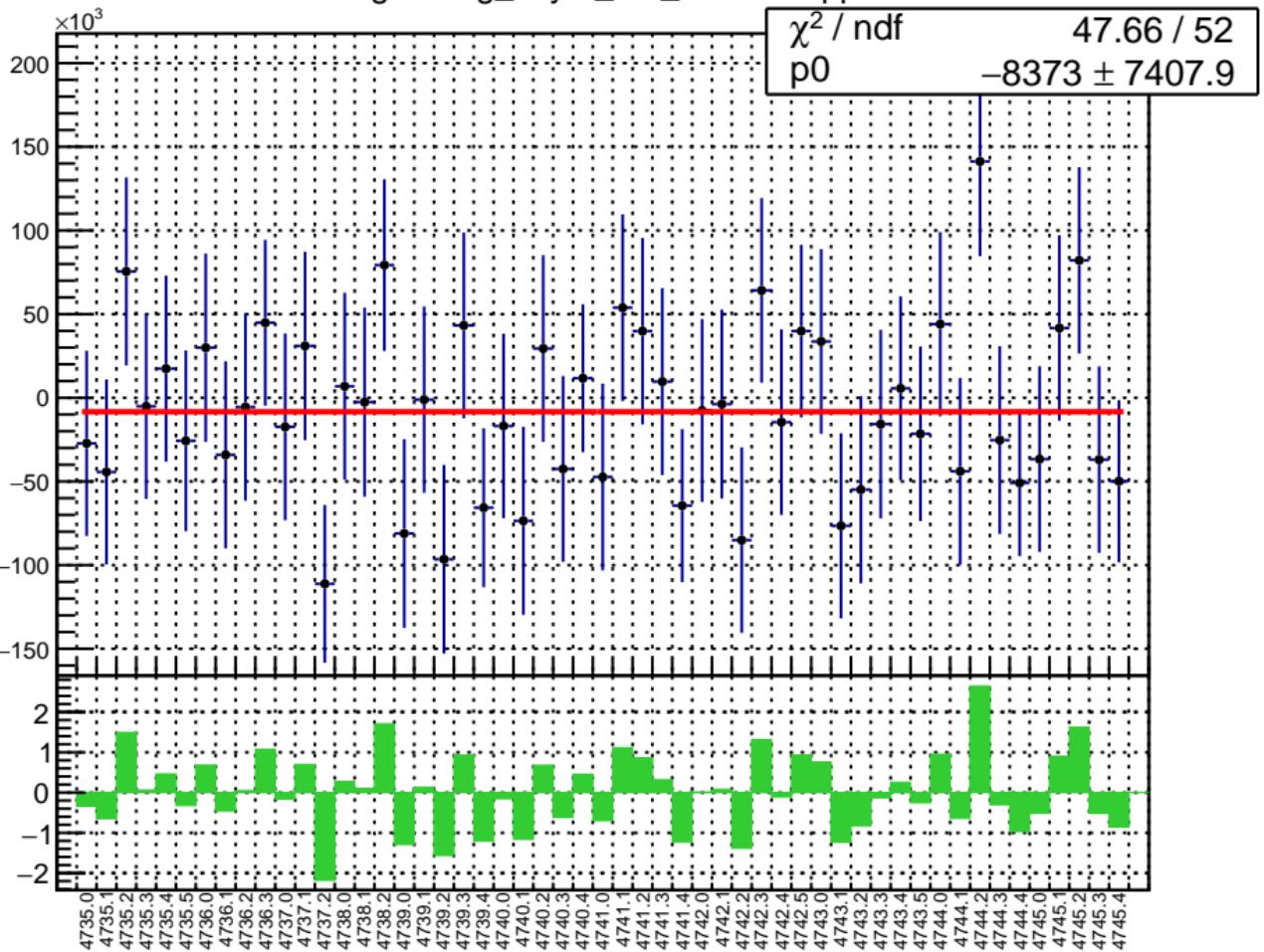
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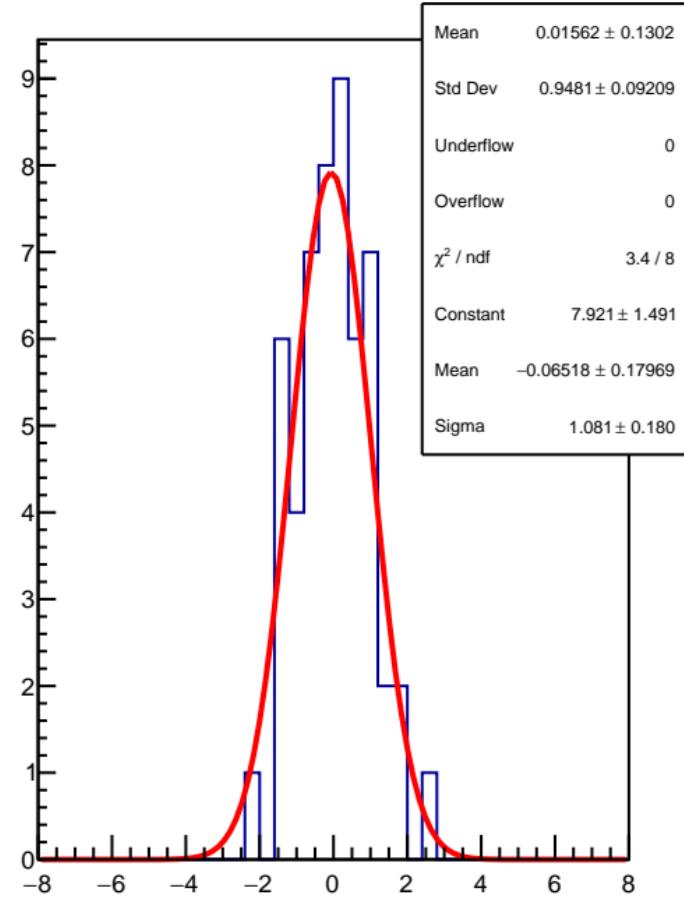
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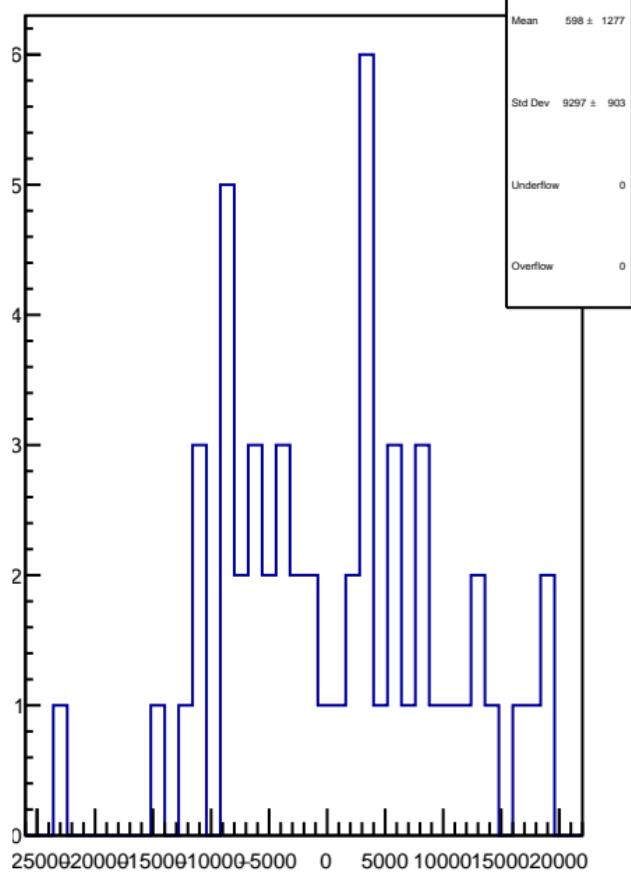
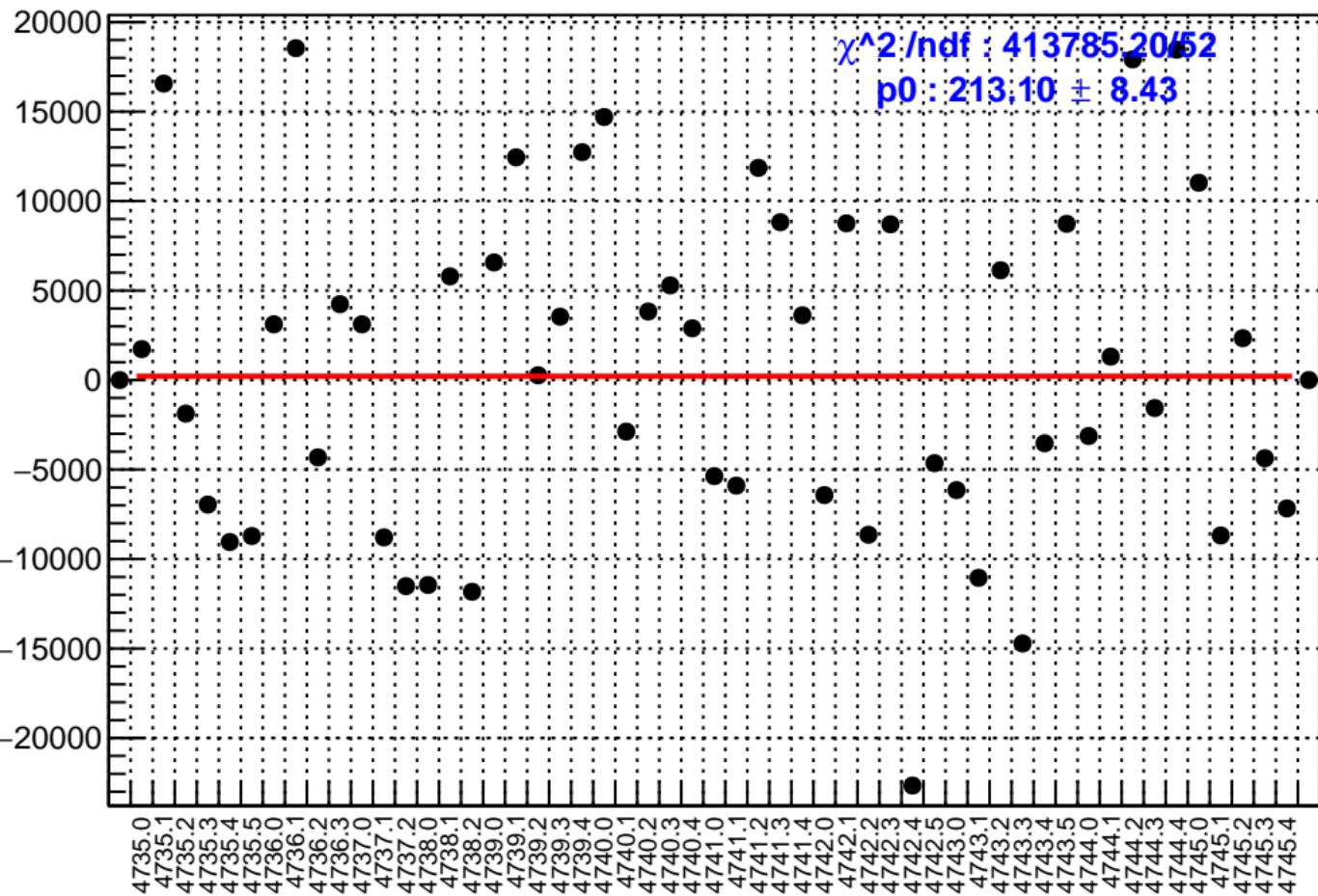


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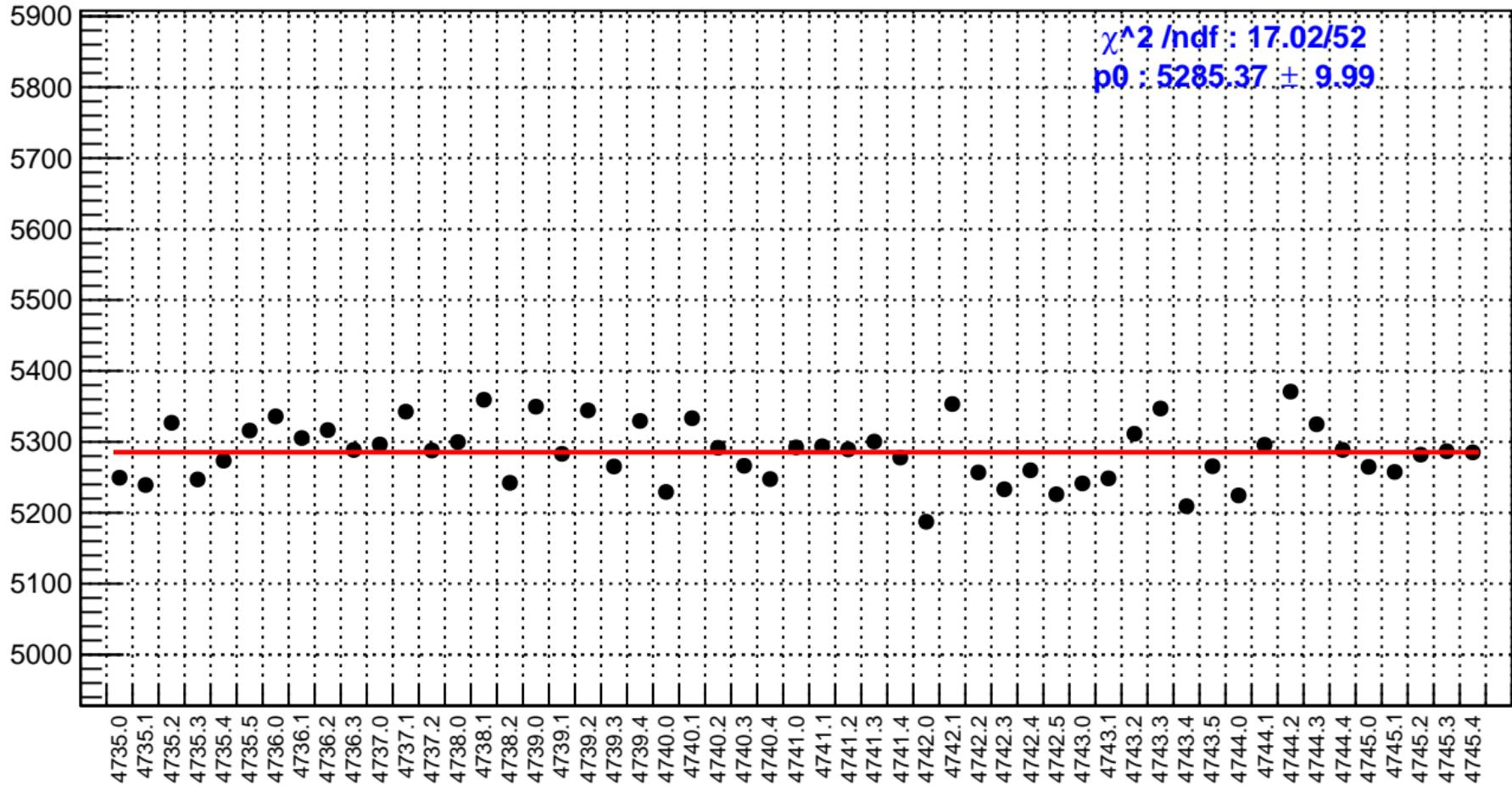


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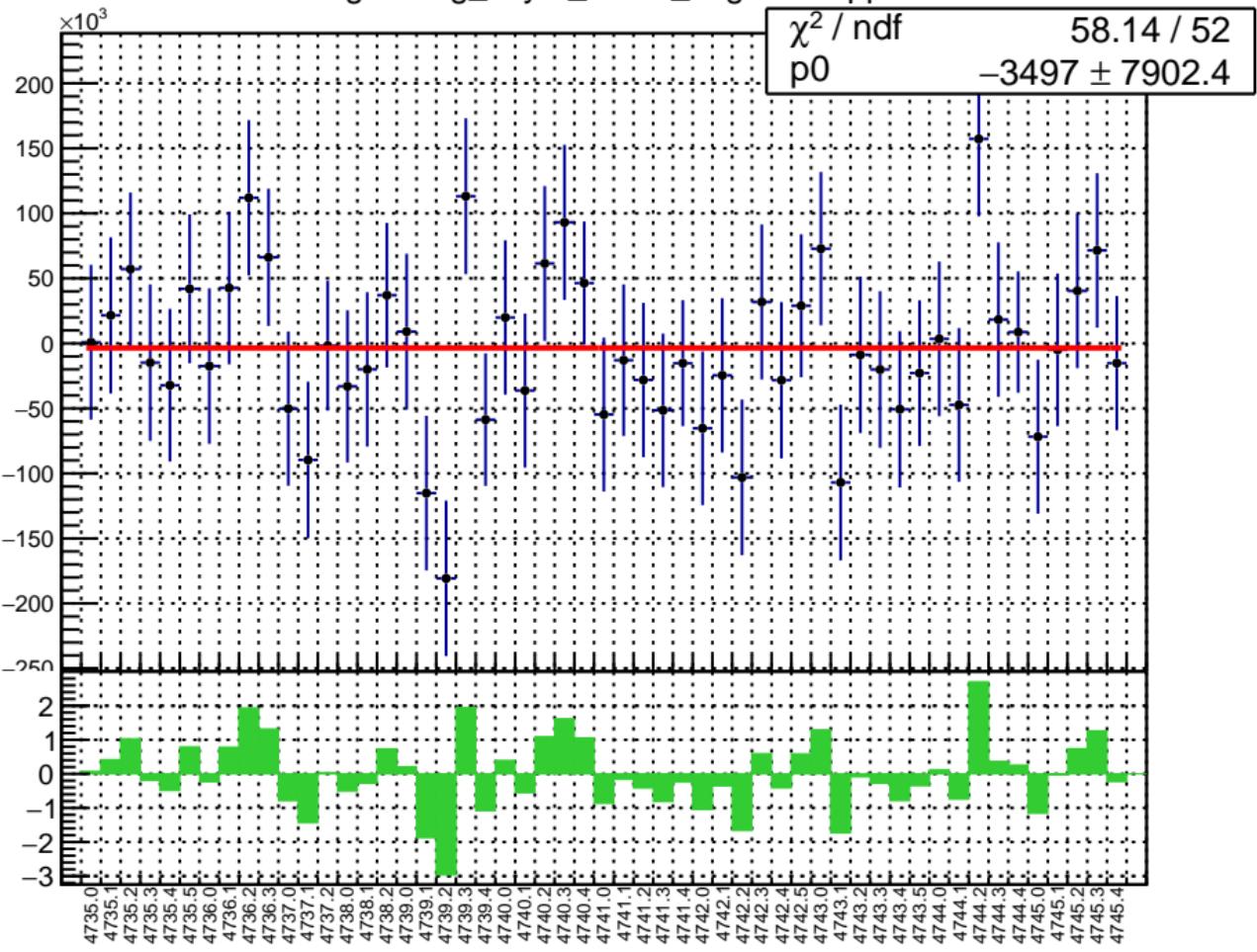
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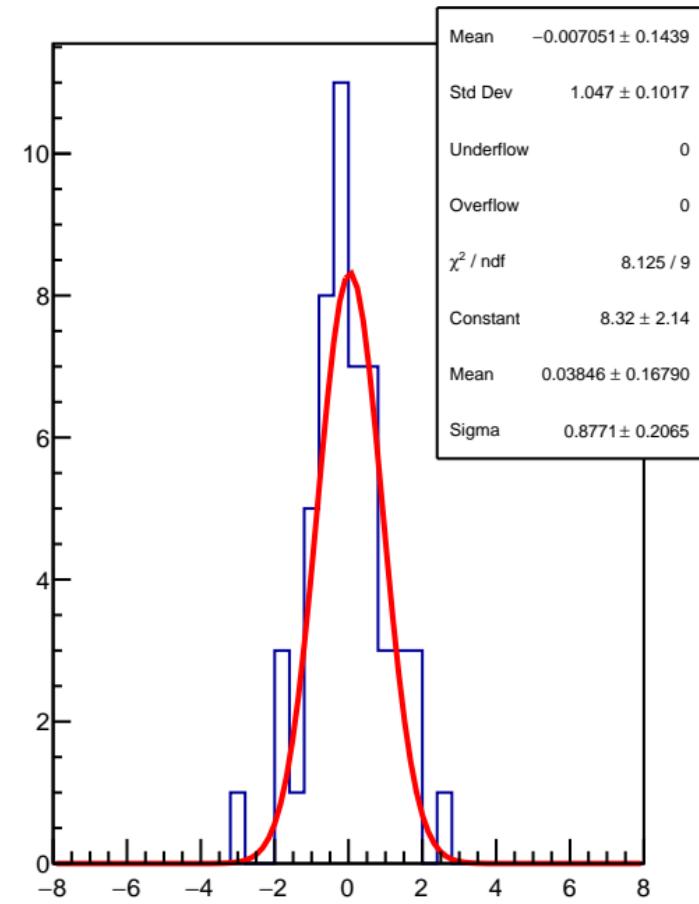
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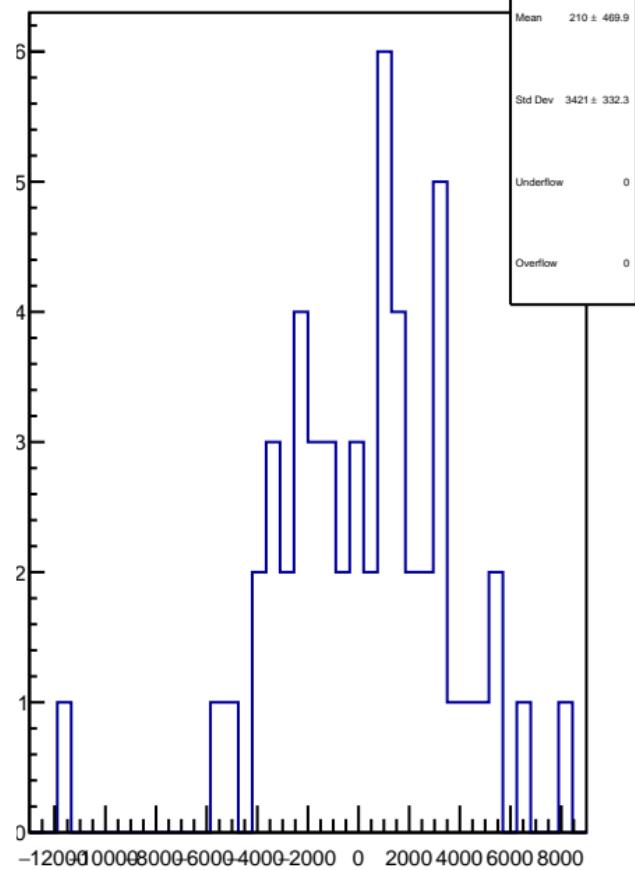
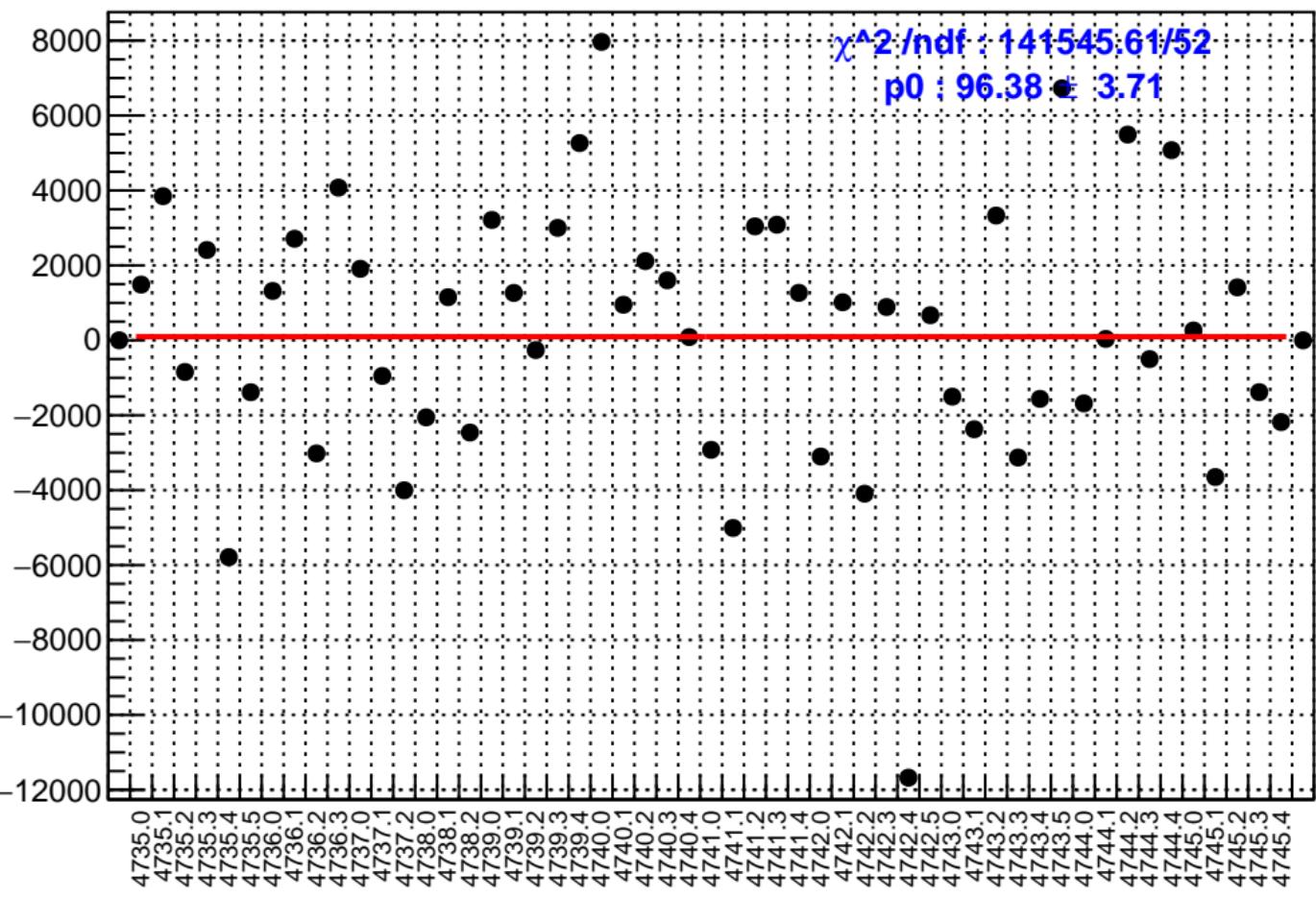


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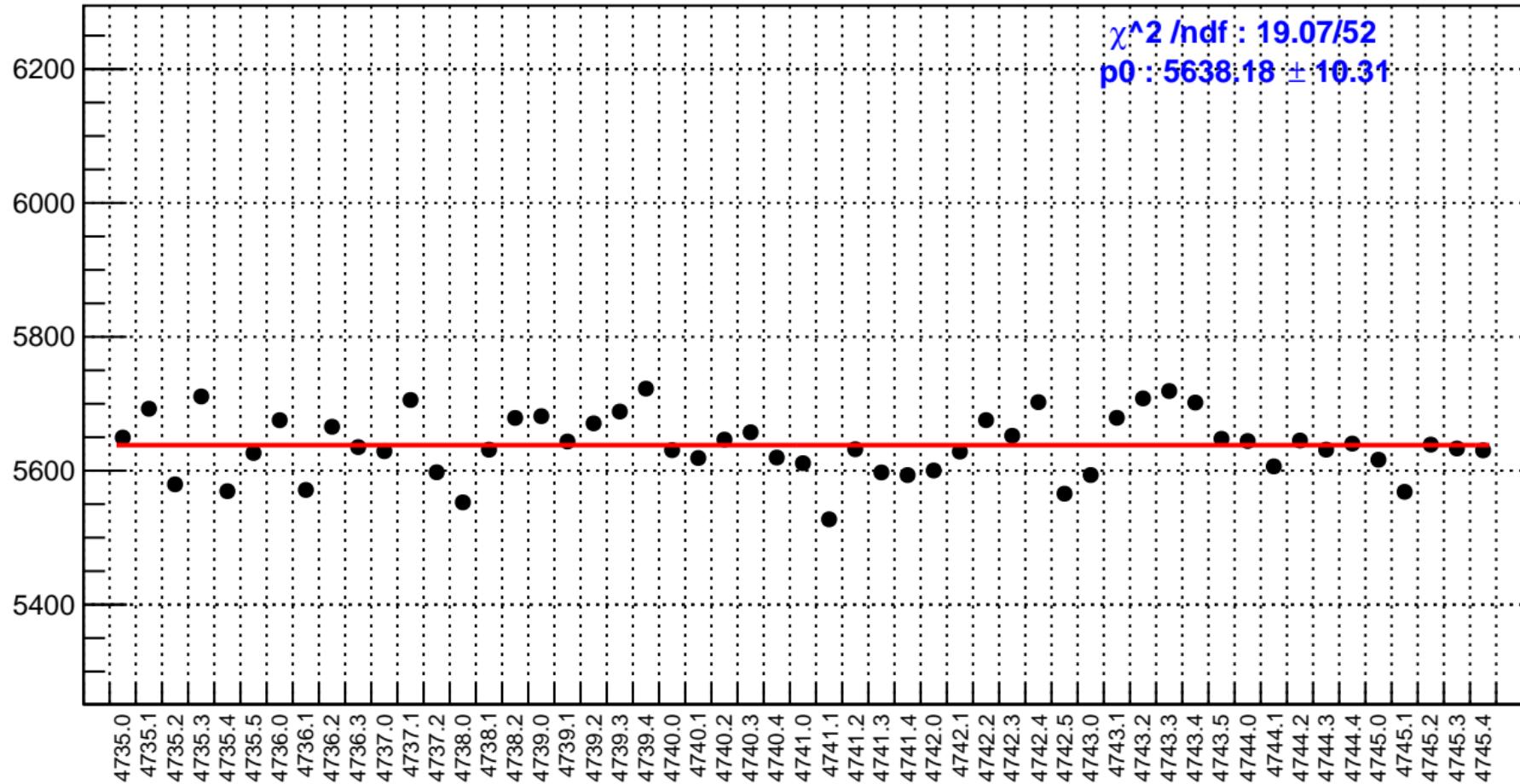


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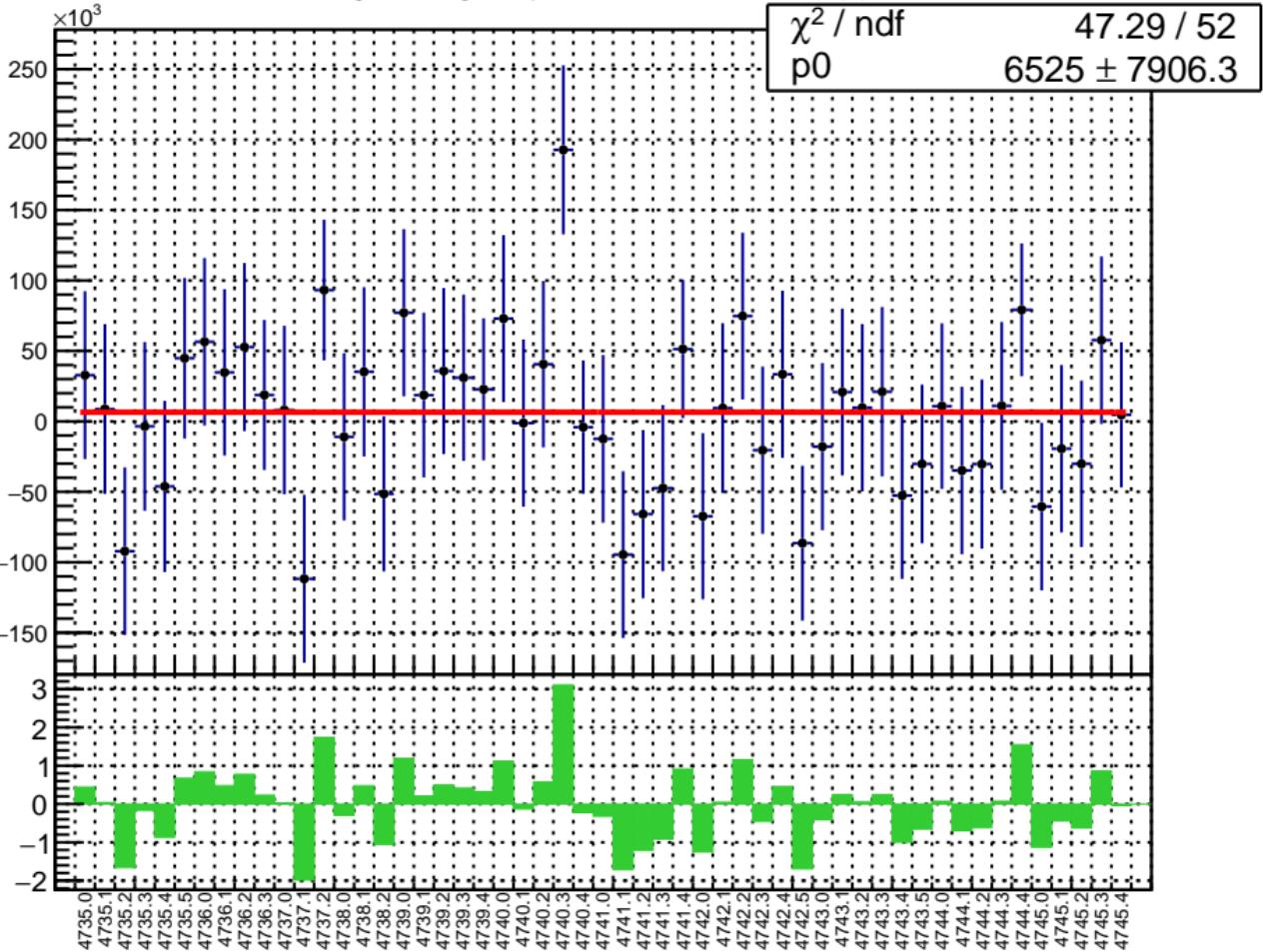




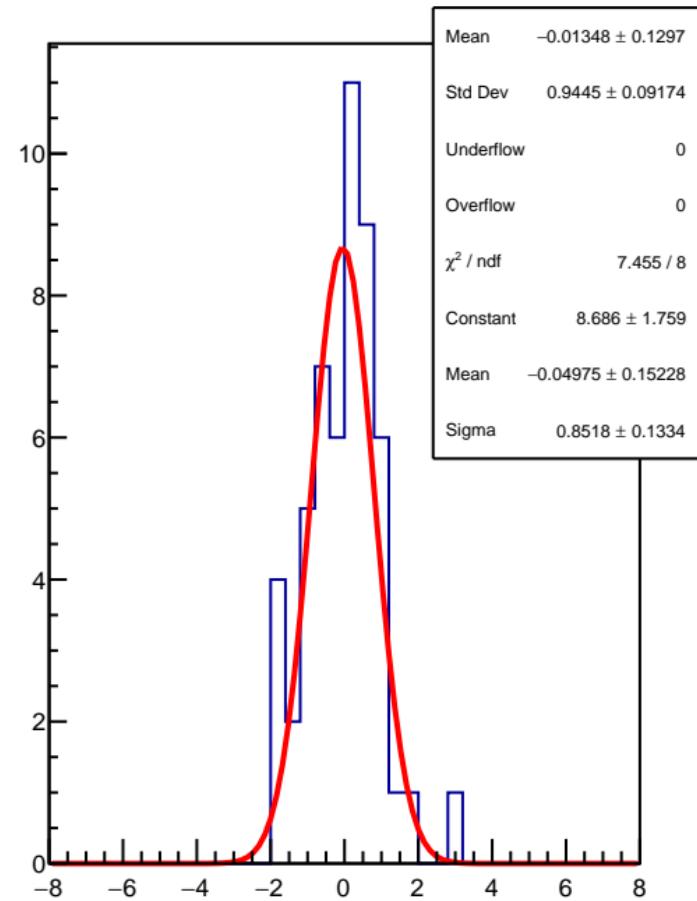
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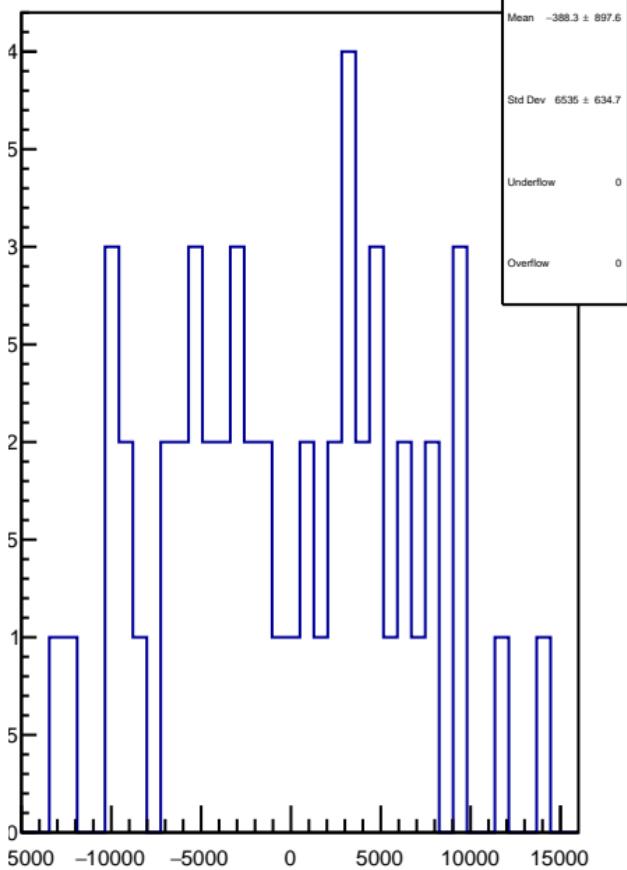
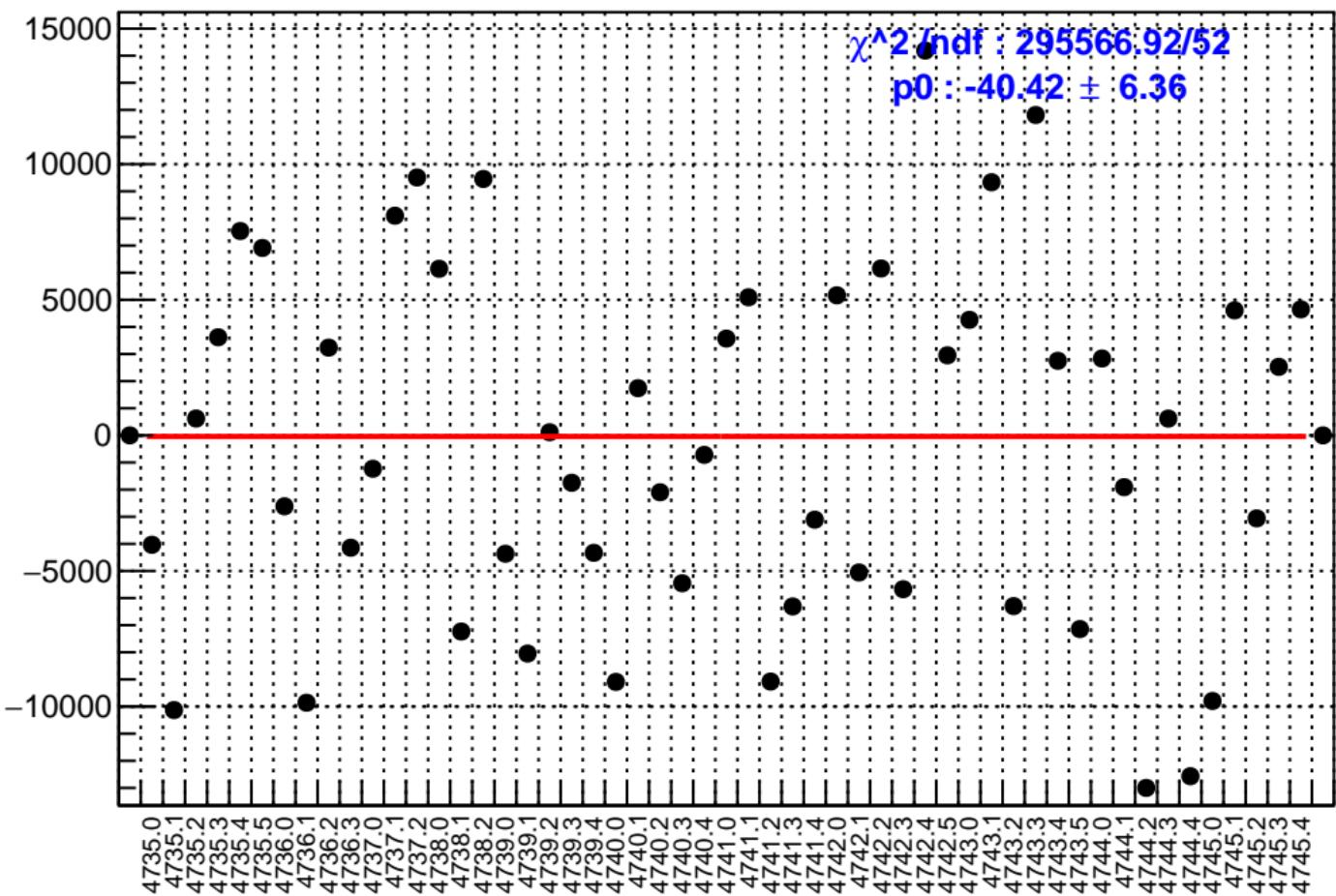


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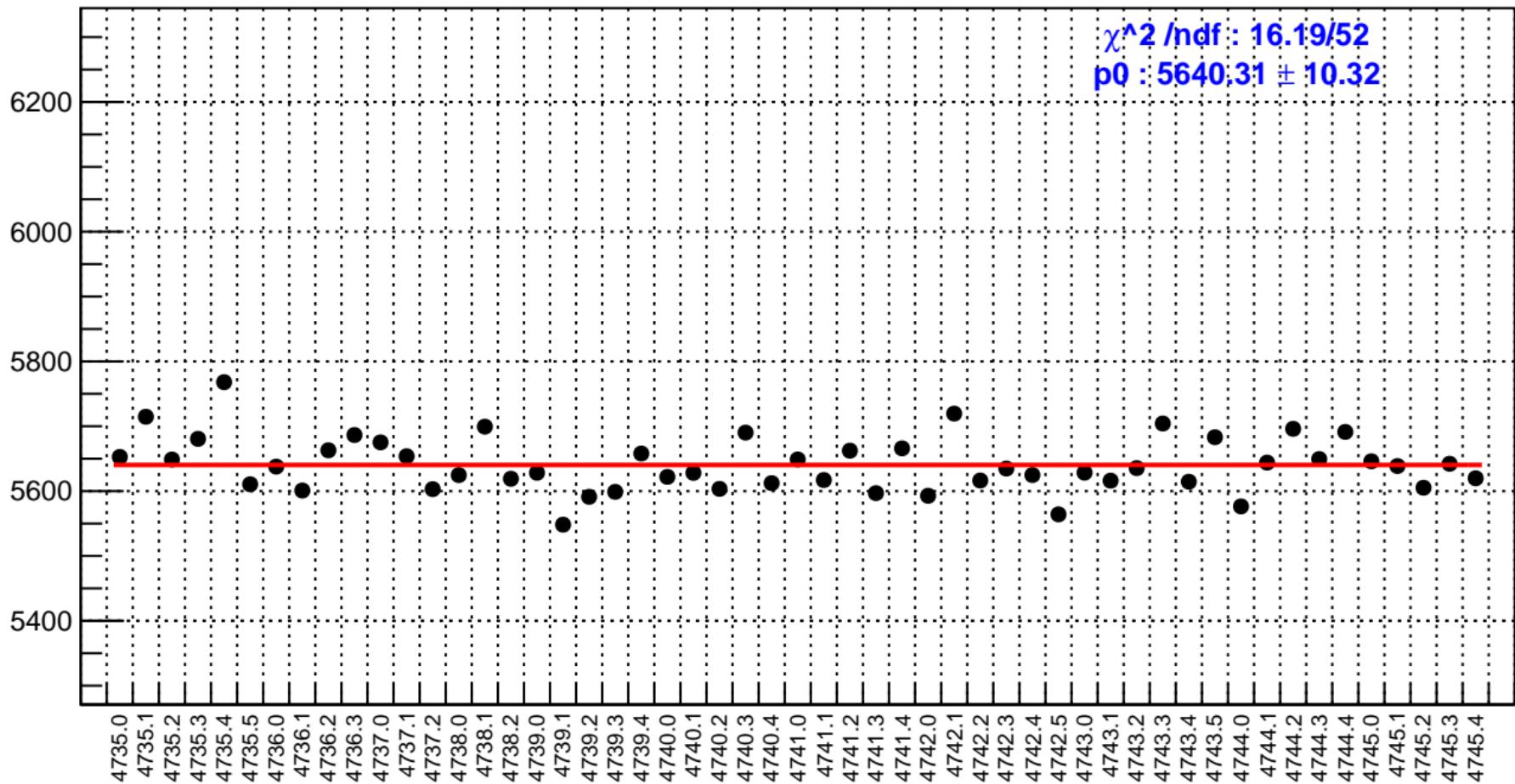


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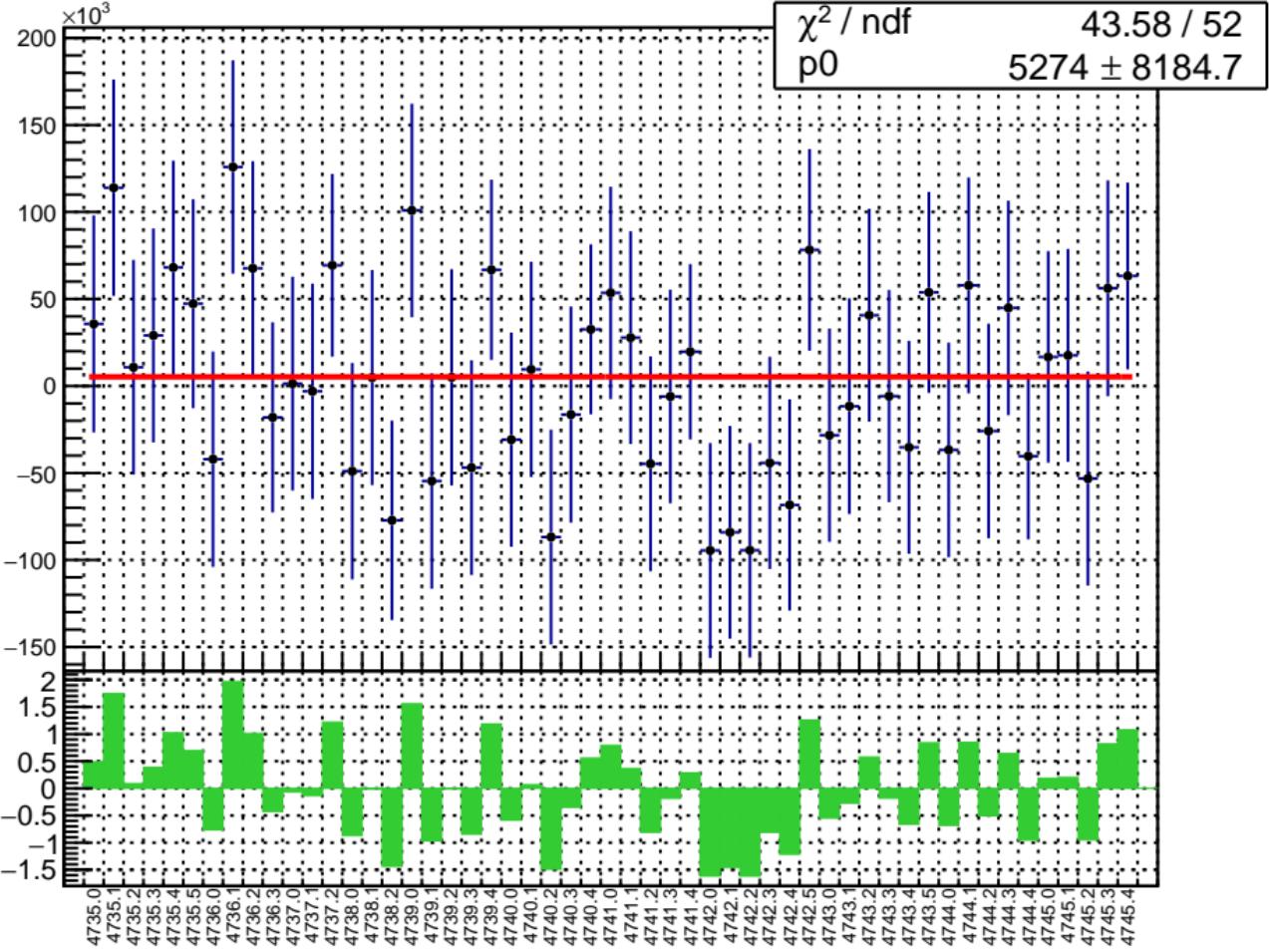
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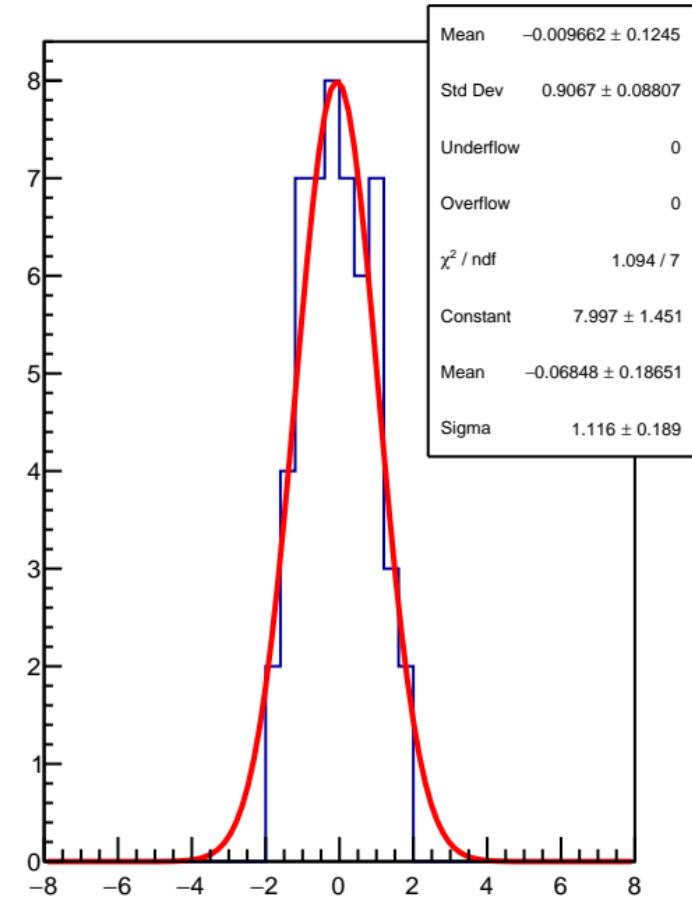
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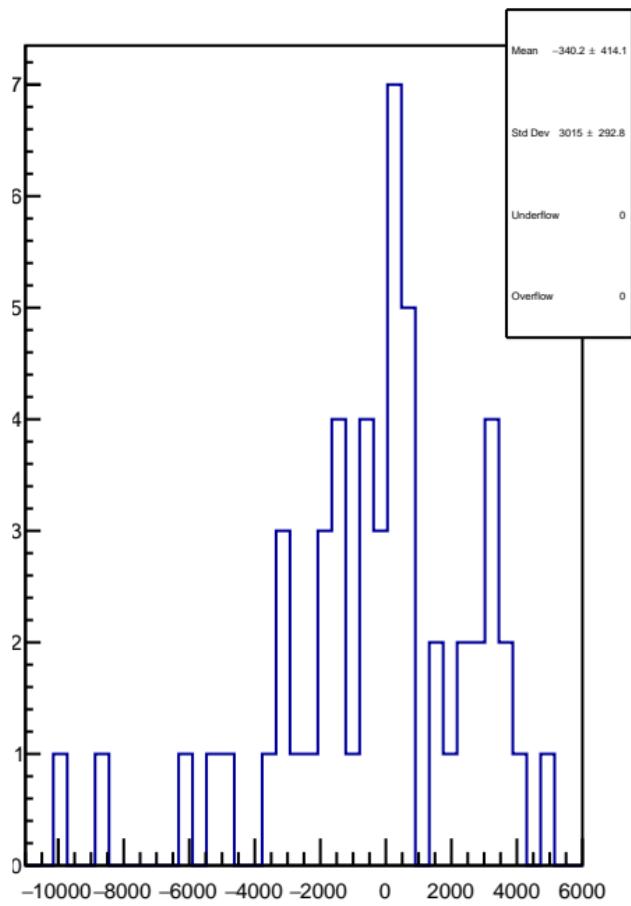
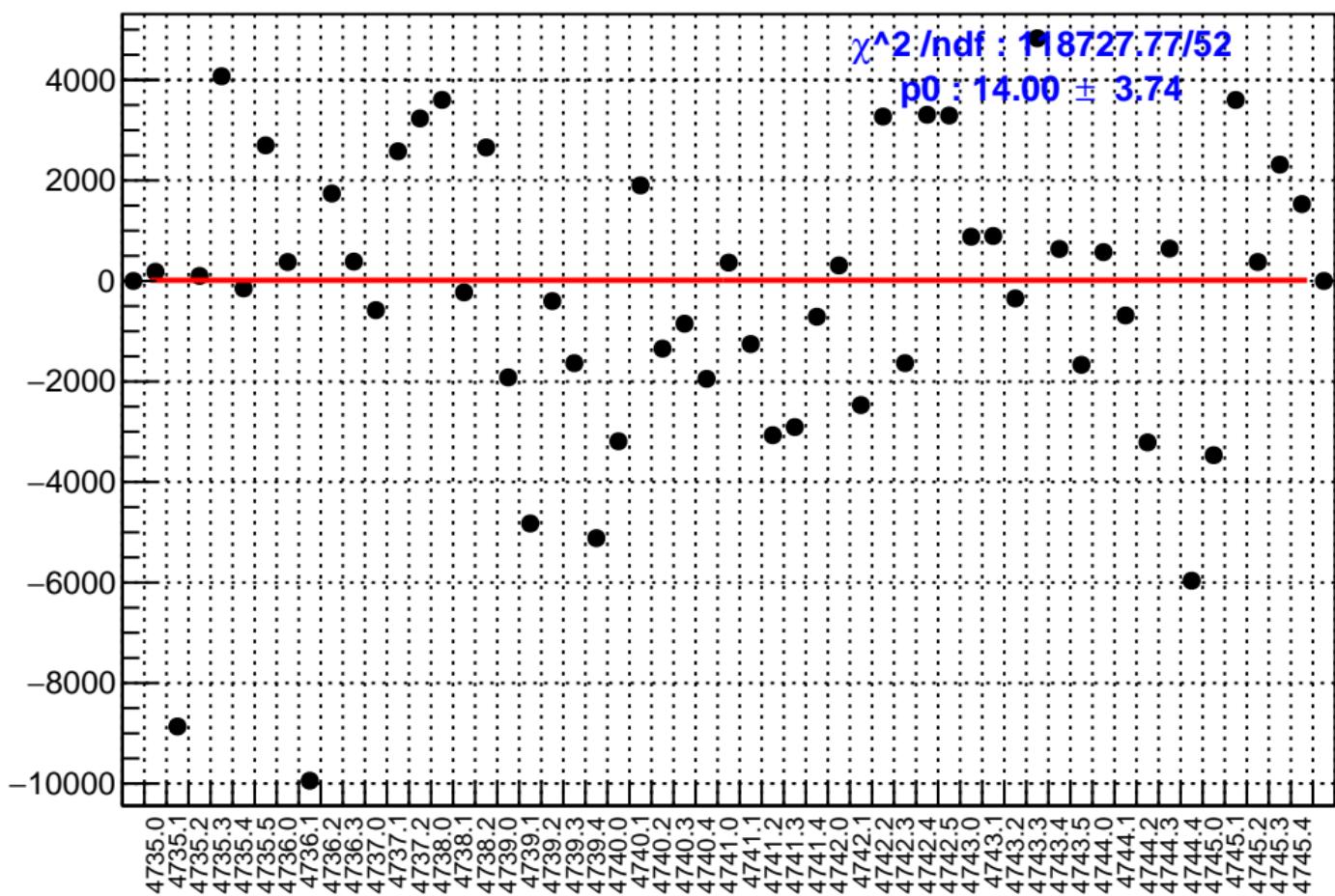


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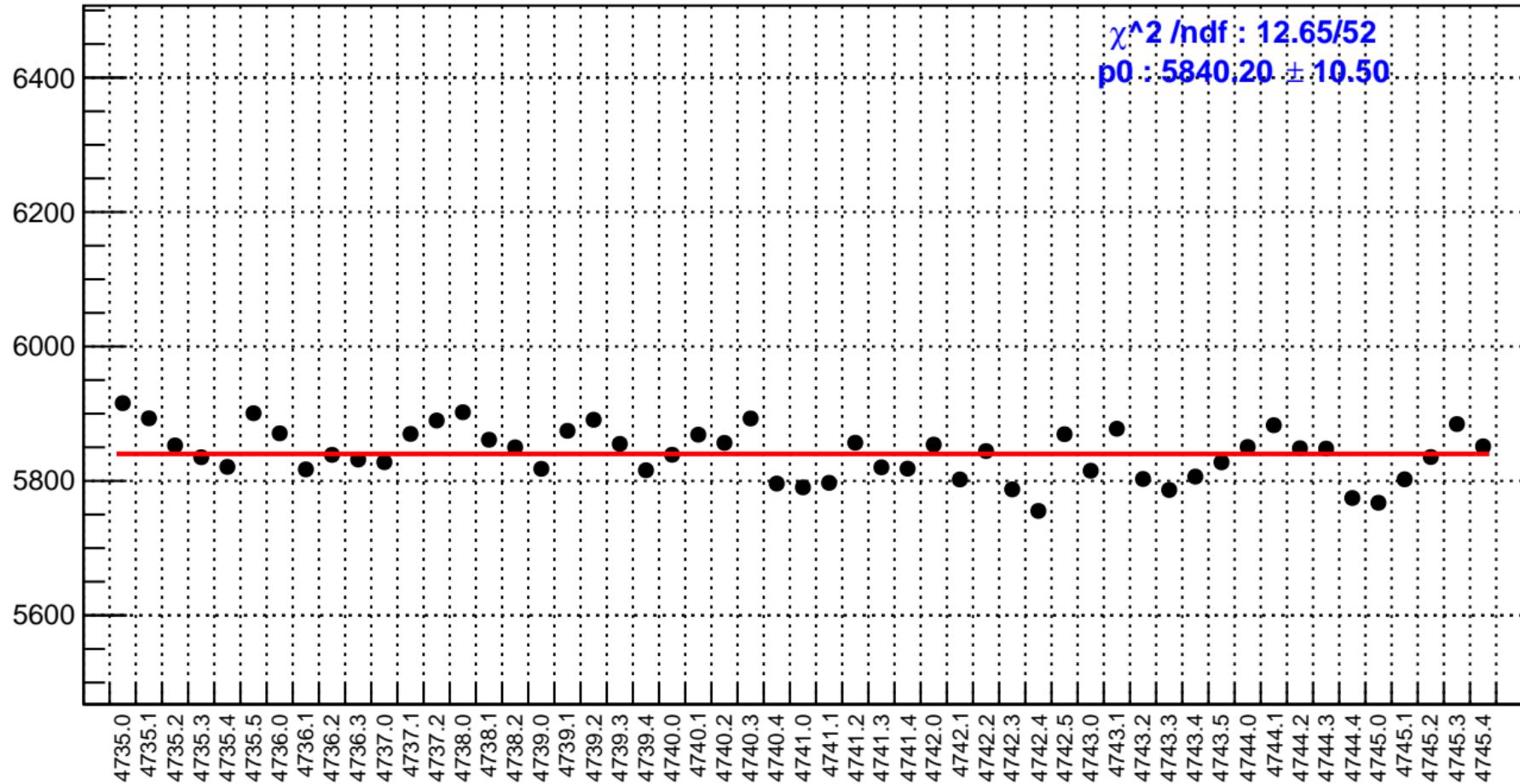


1D pull distribution

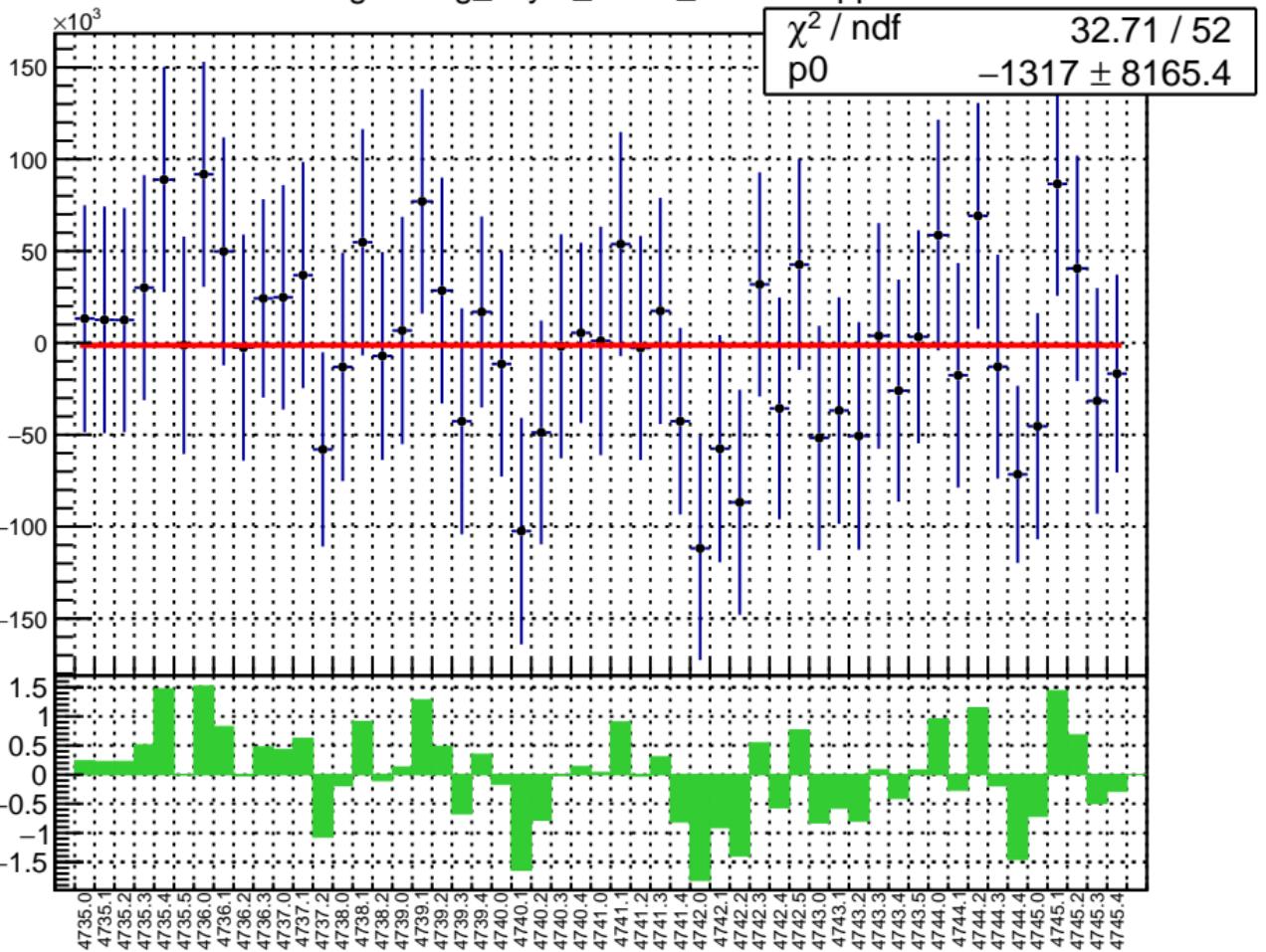




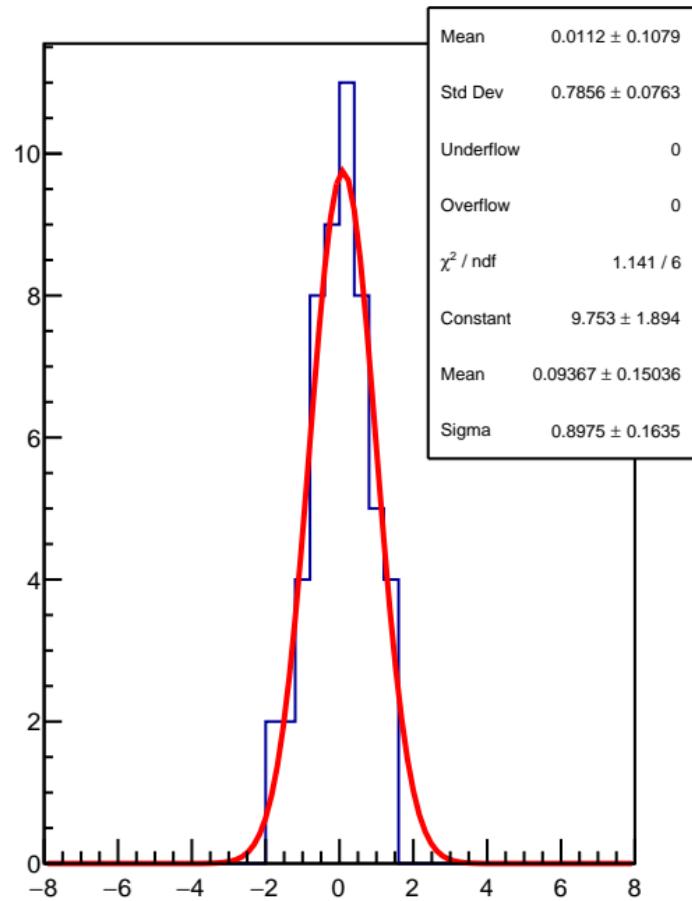
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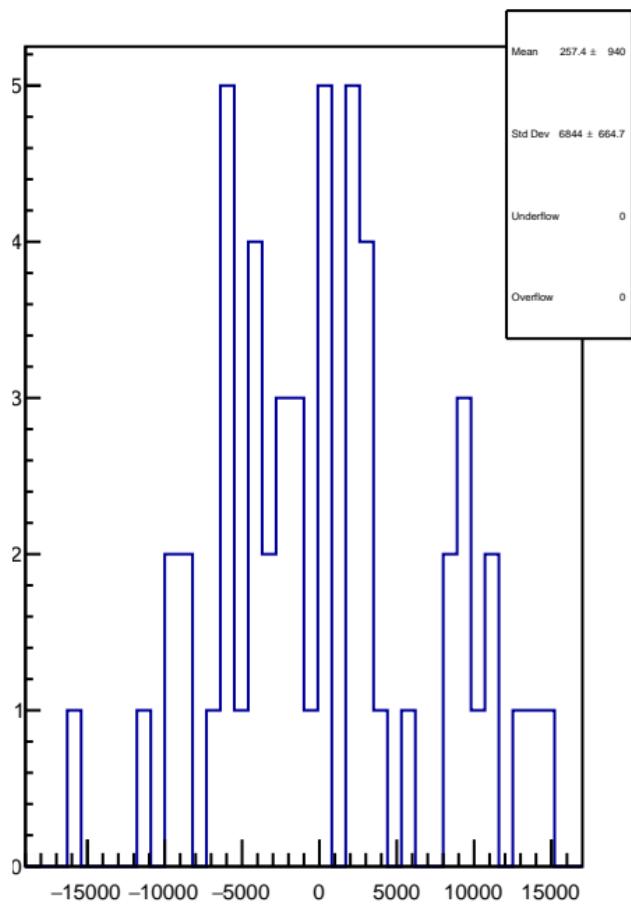
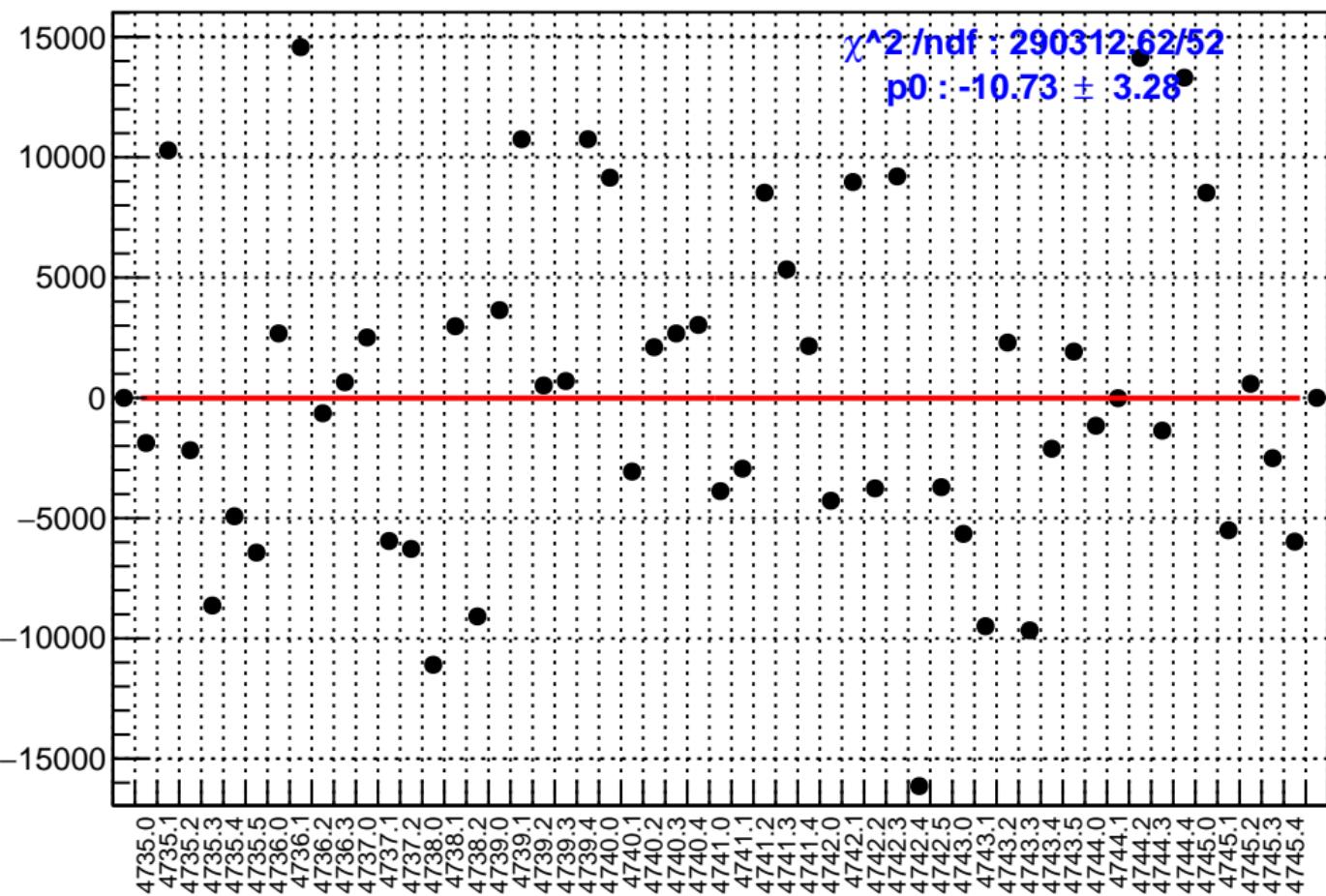


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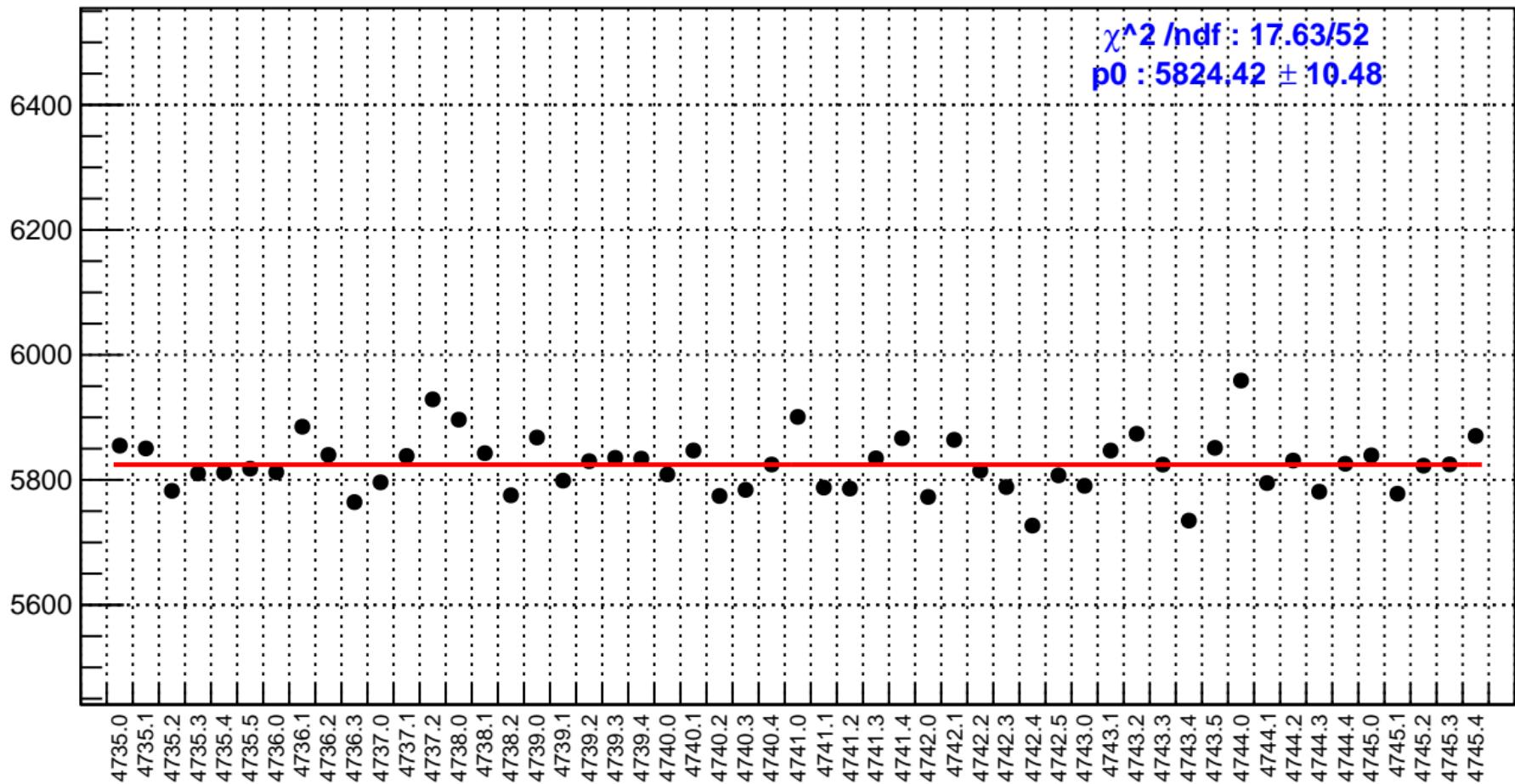


1D pull distribution

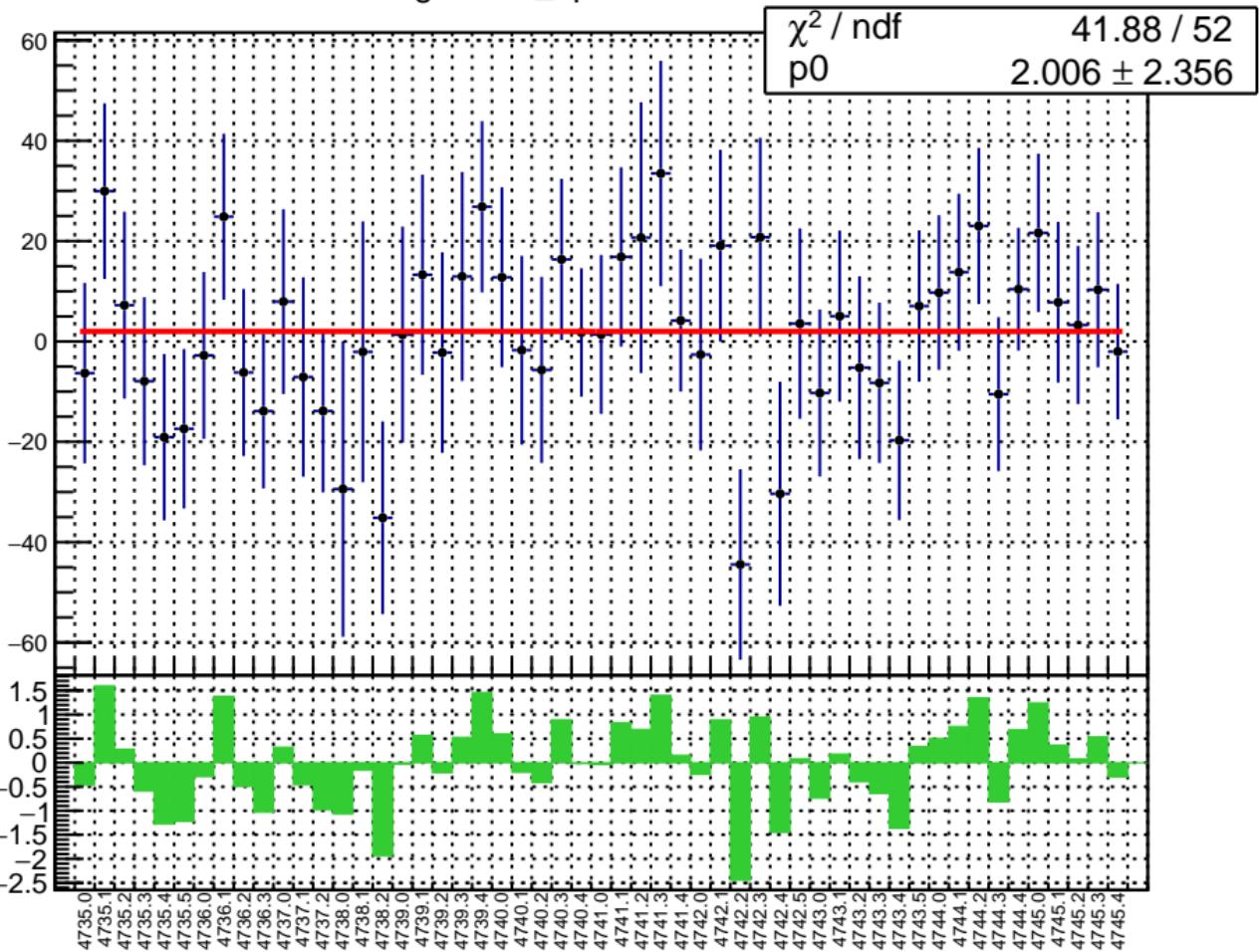




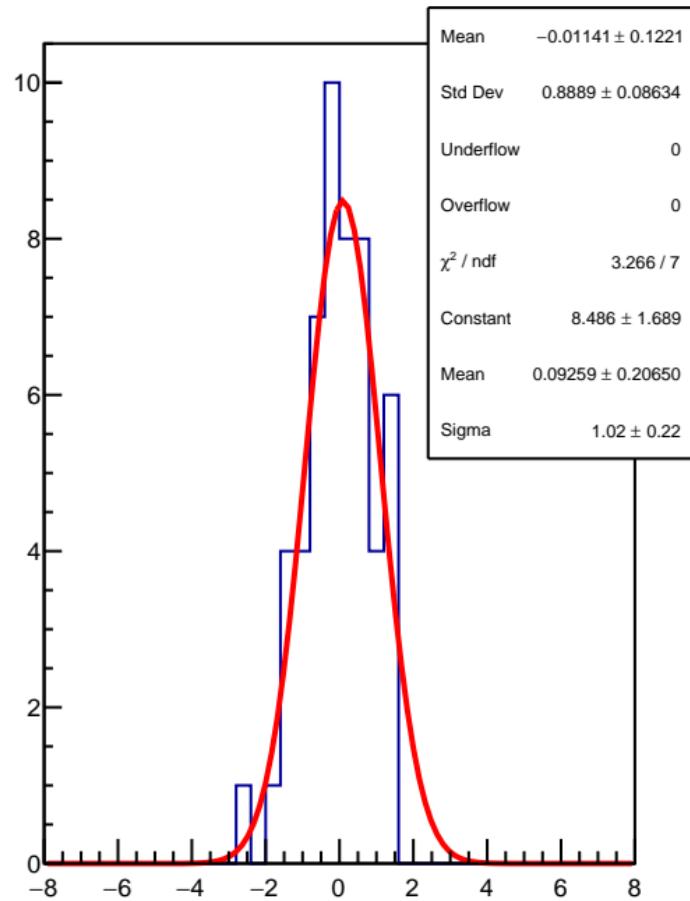
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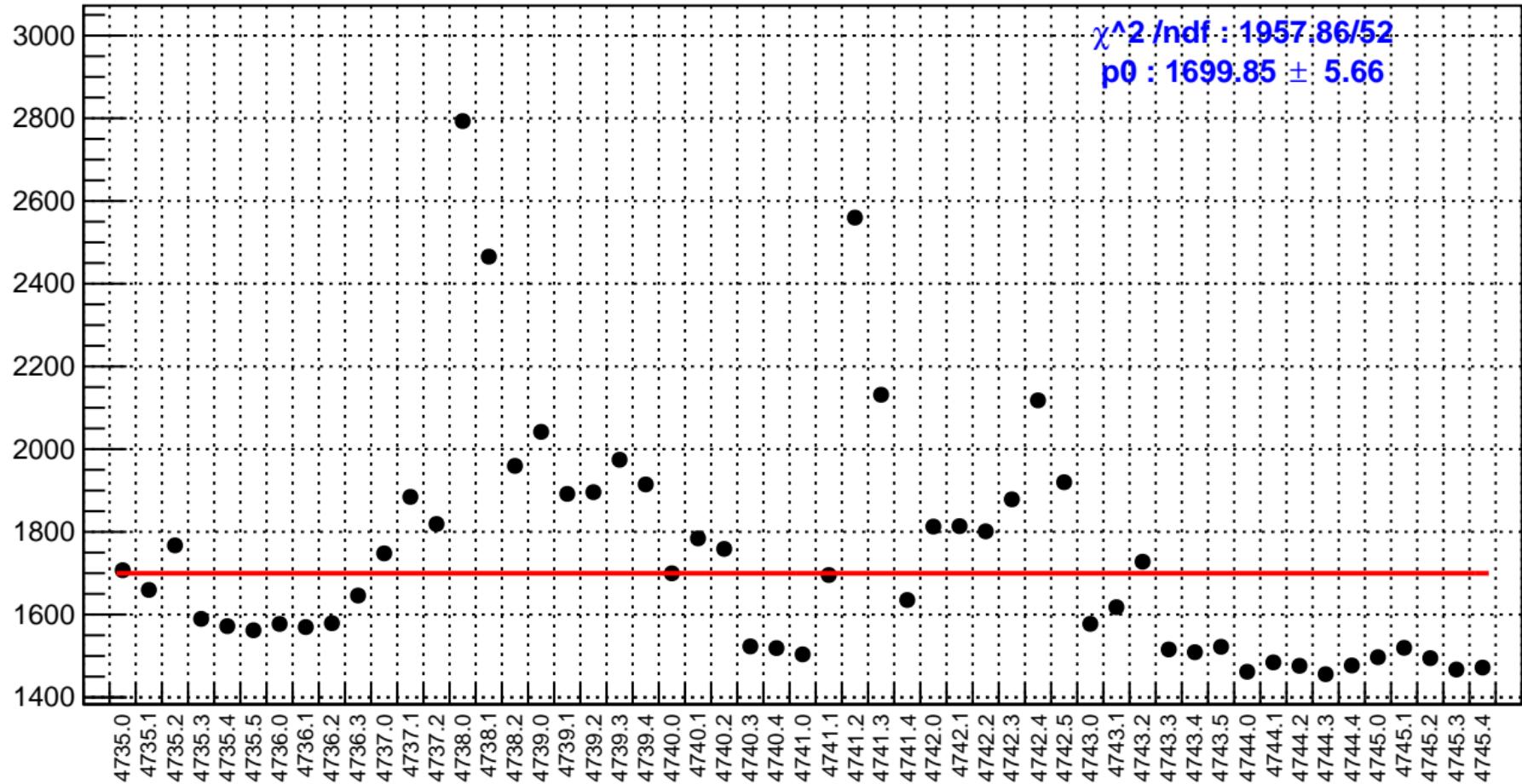
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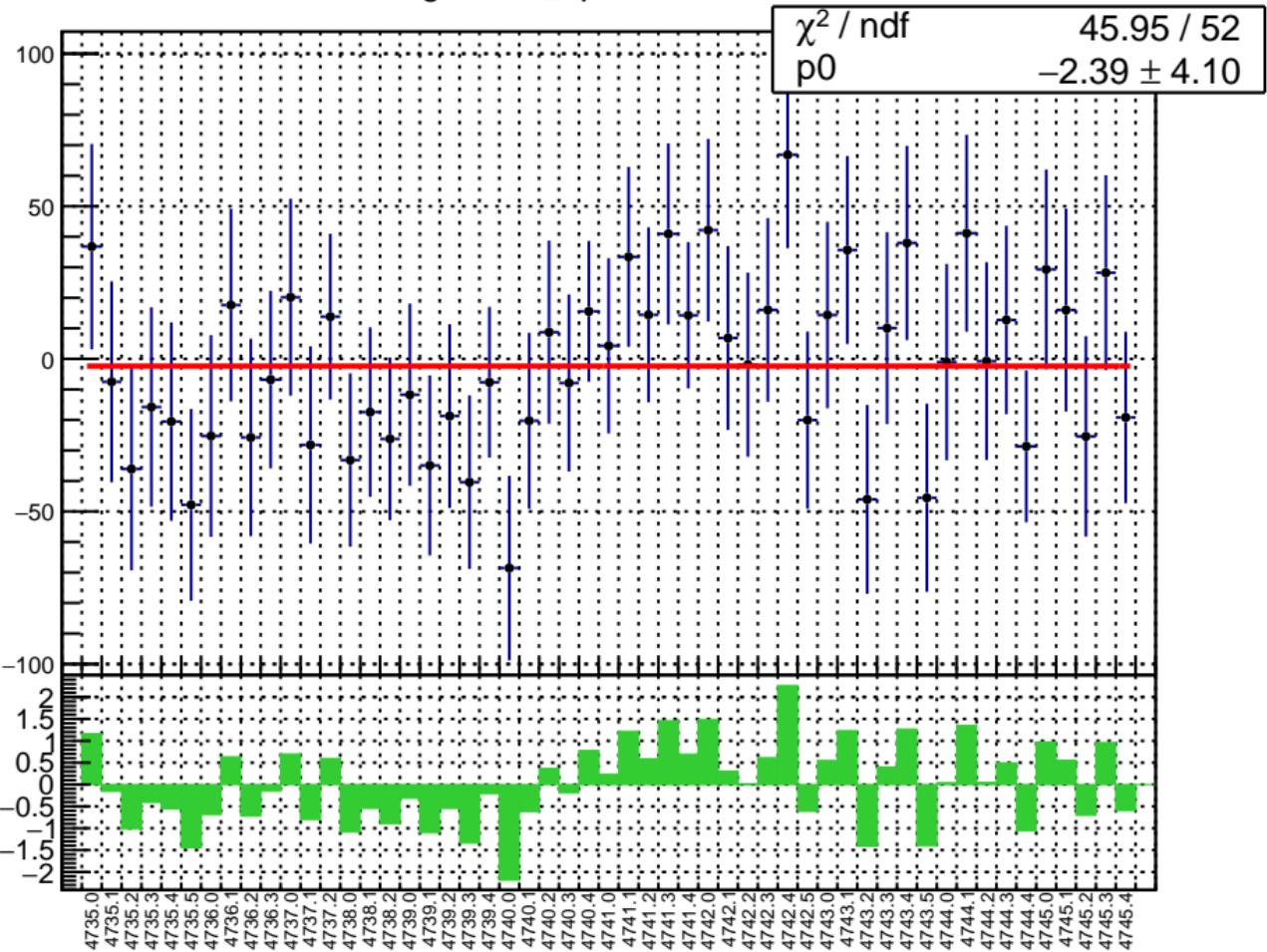
1D pull distribution



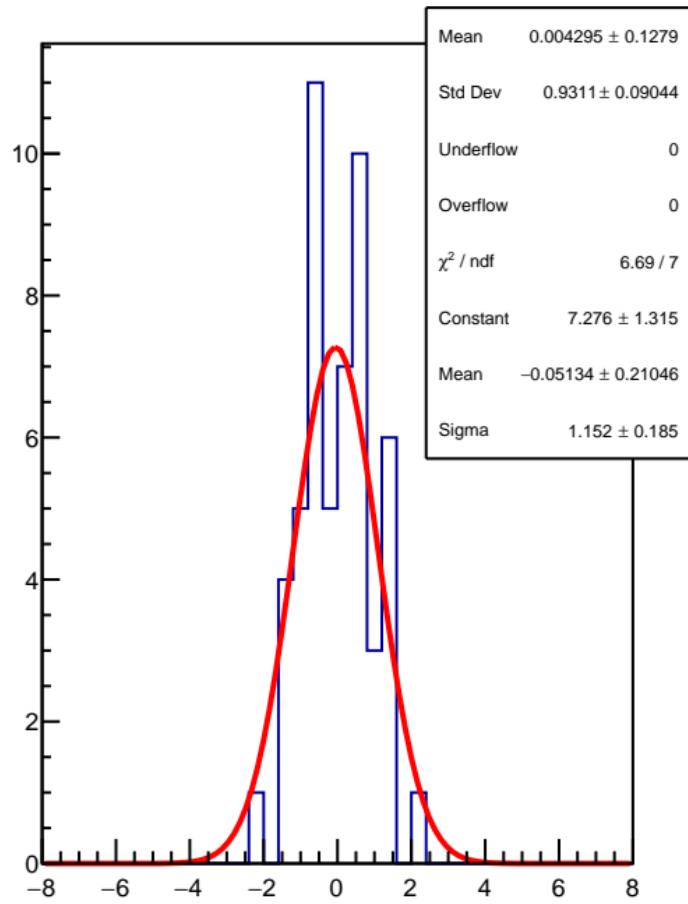
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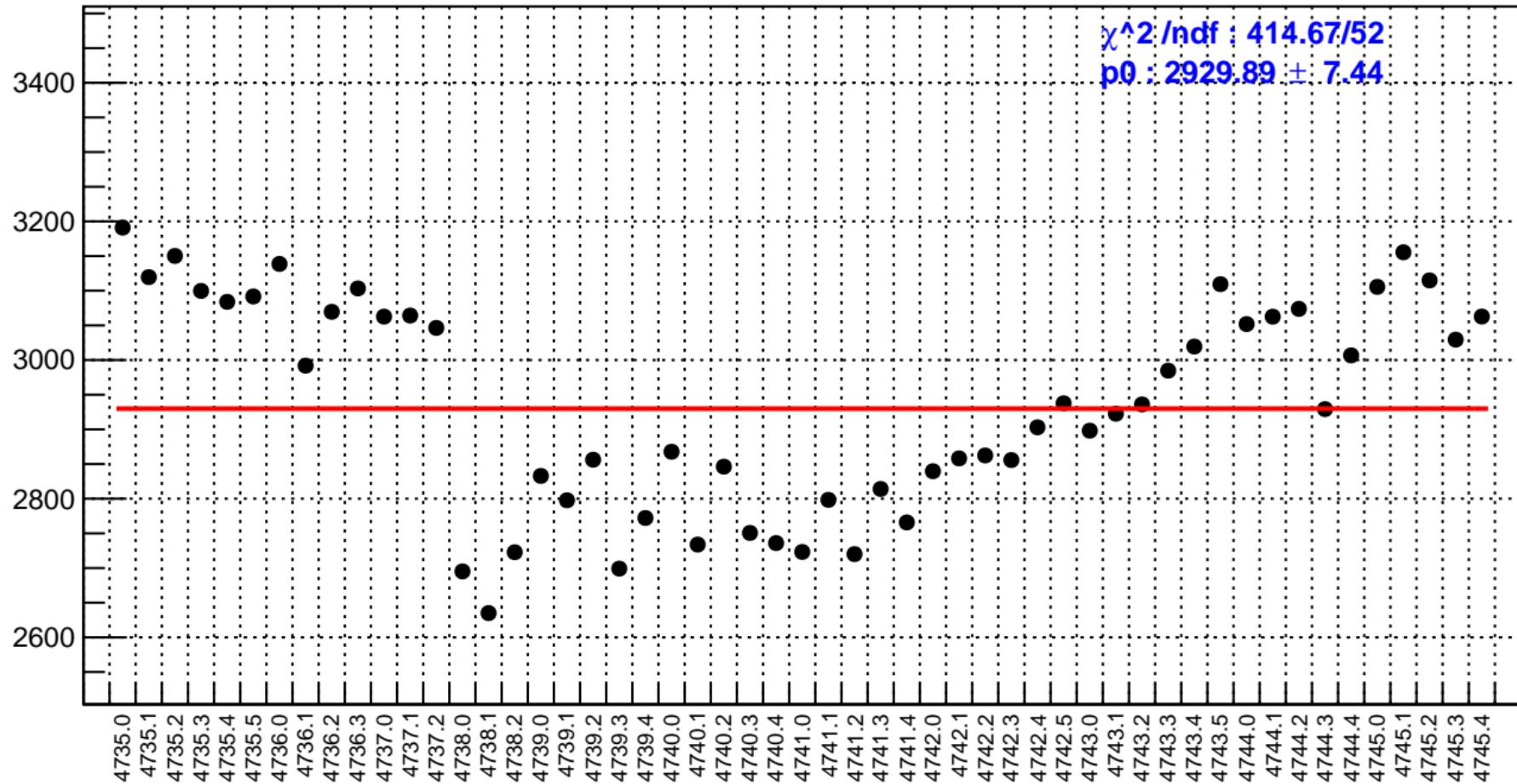
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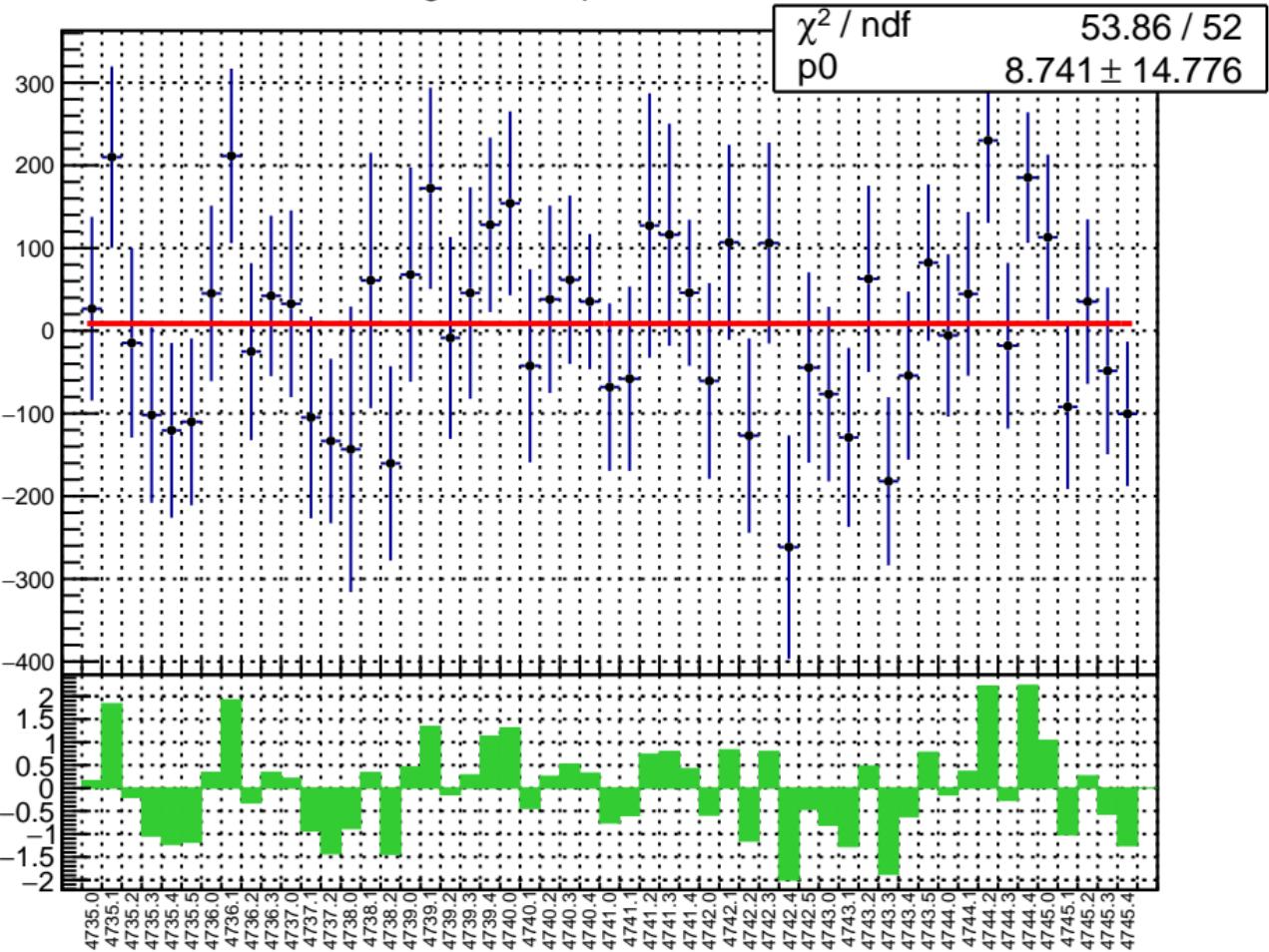
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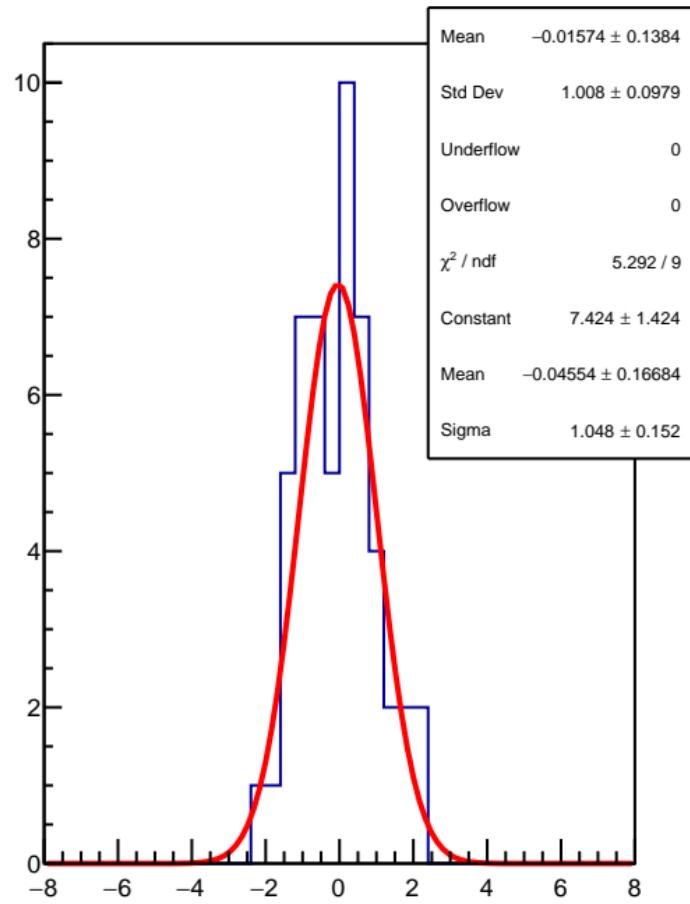
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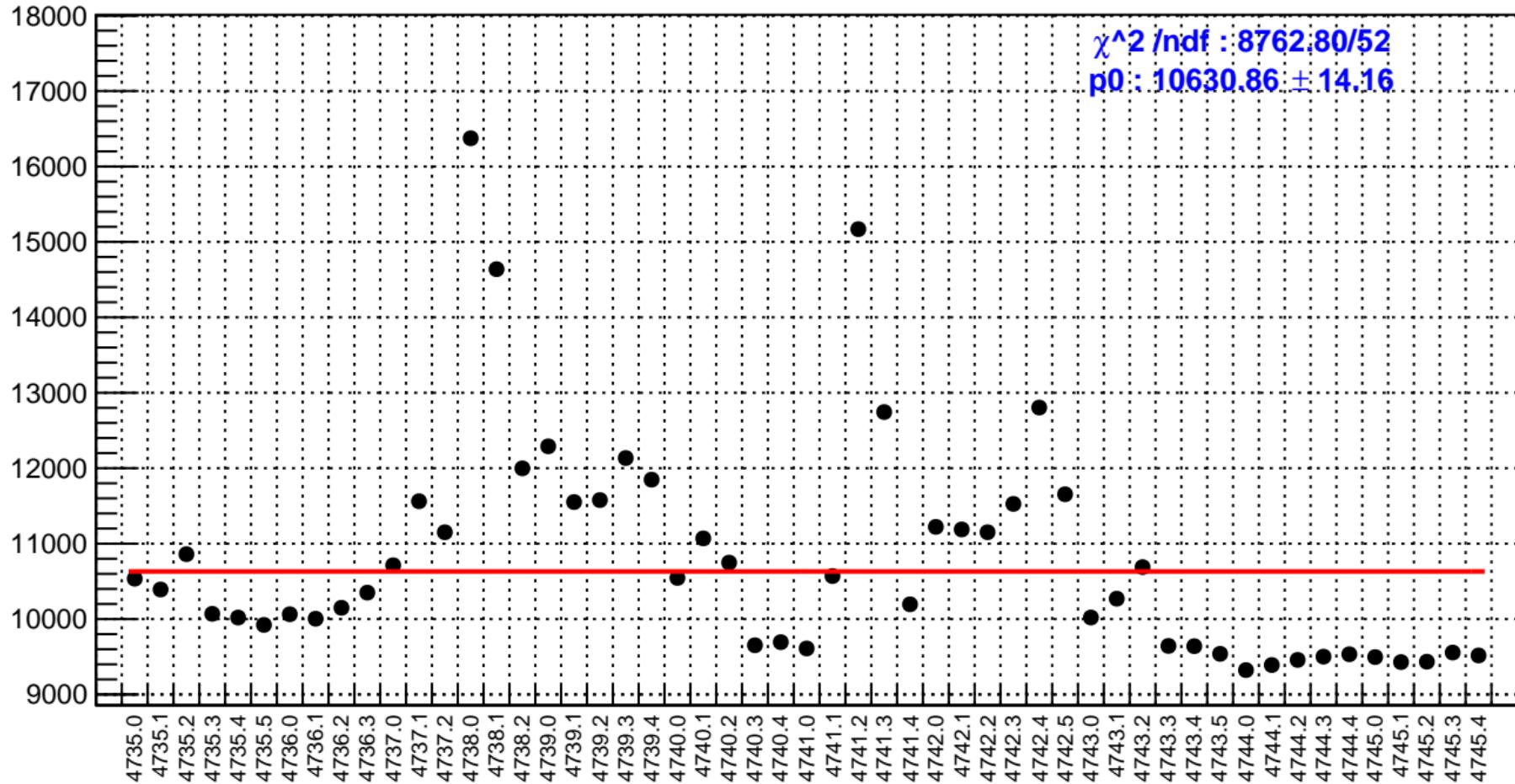
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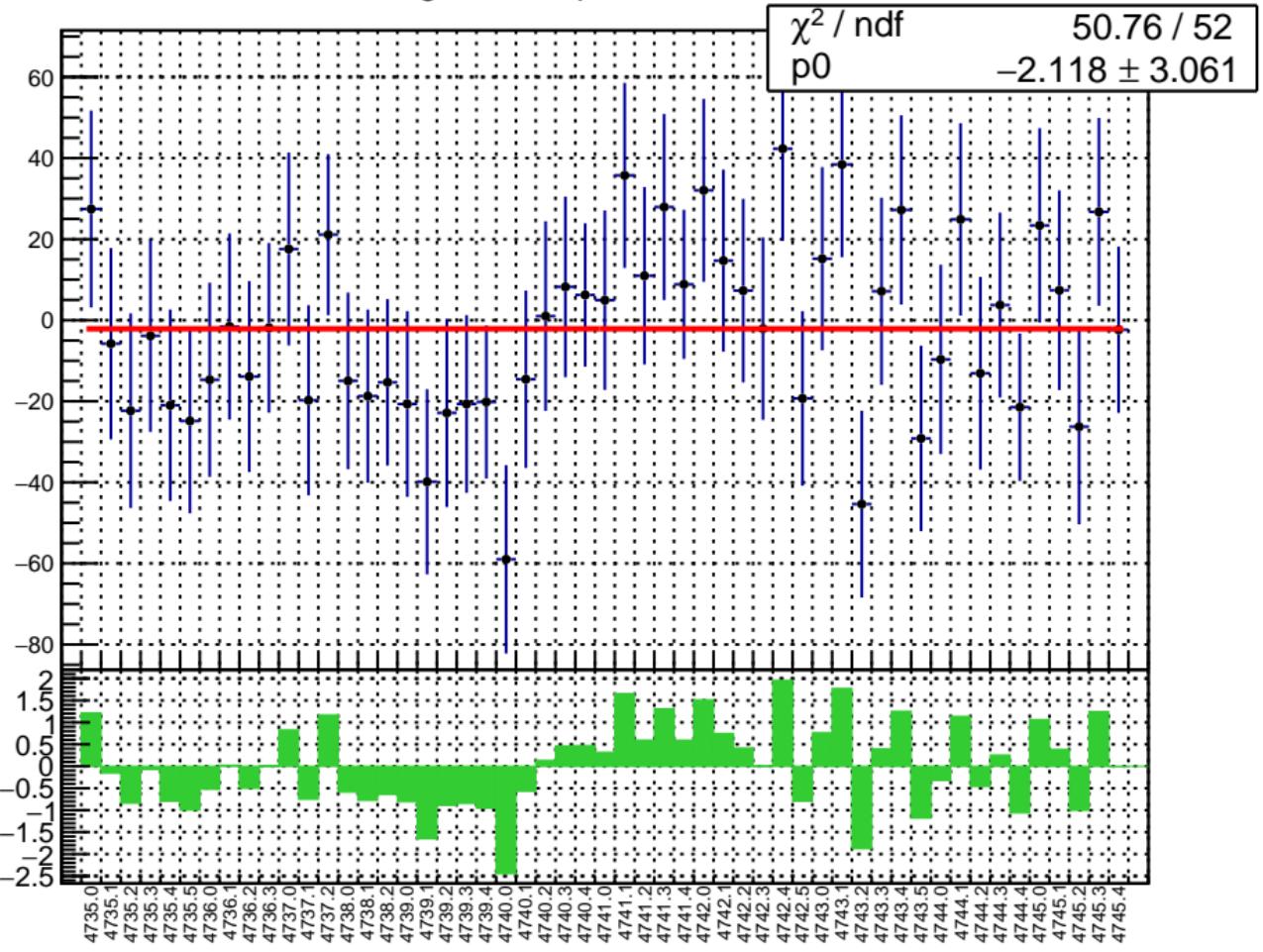
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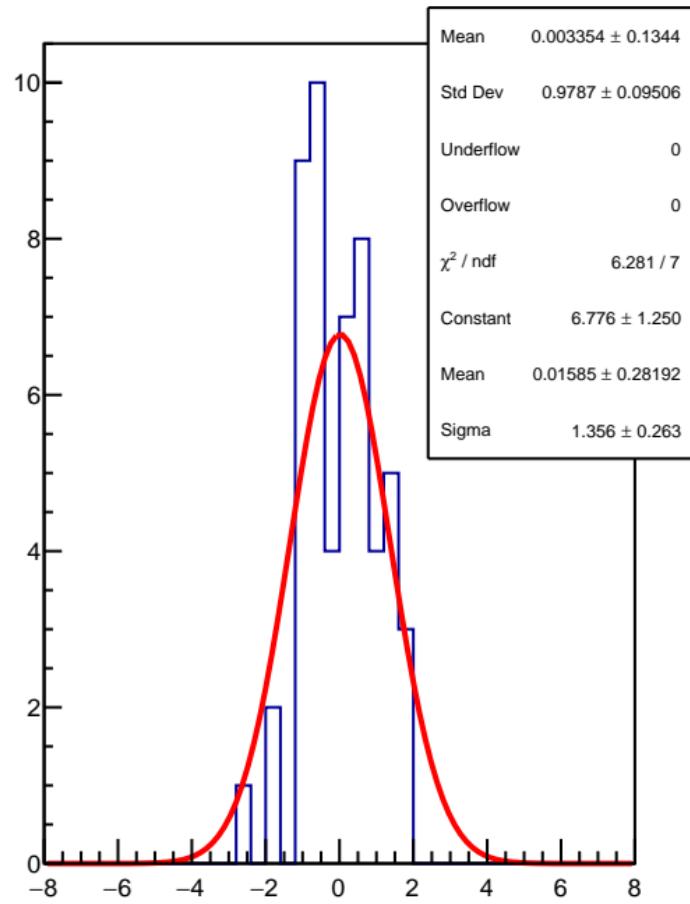
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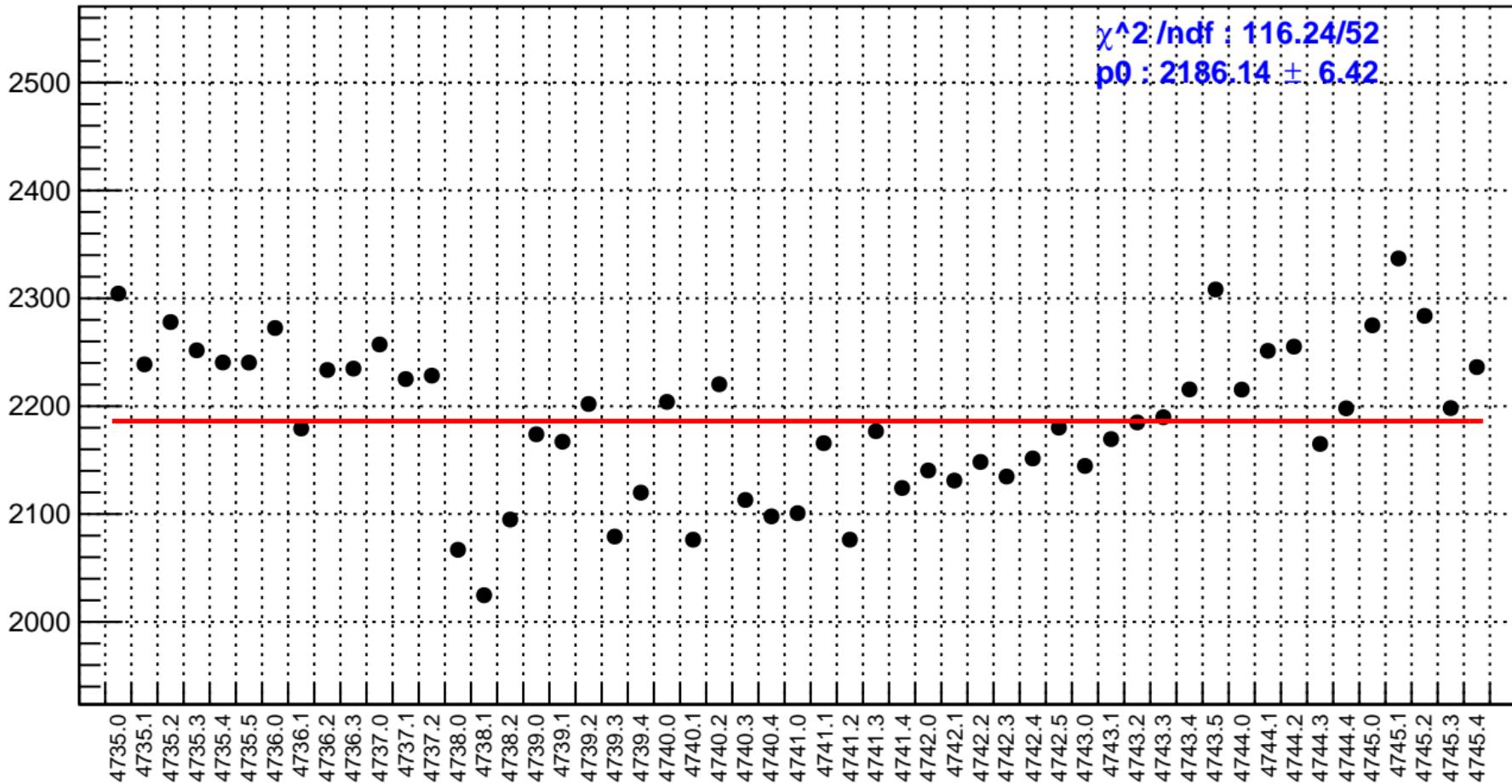
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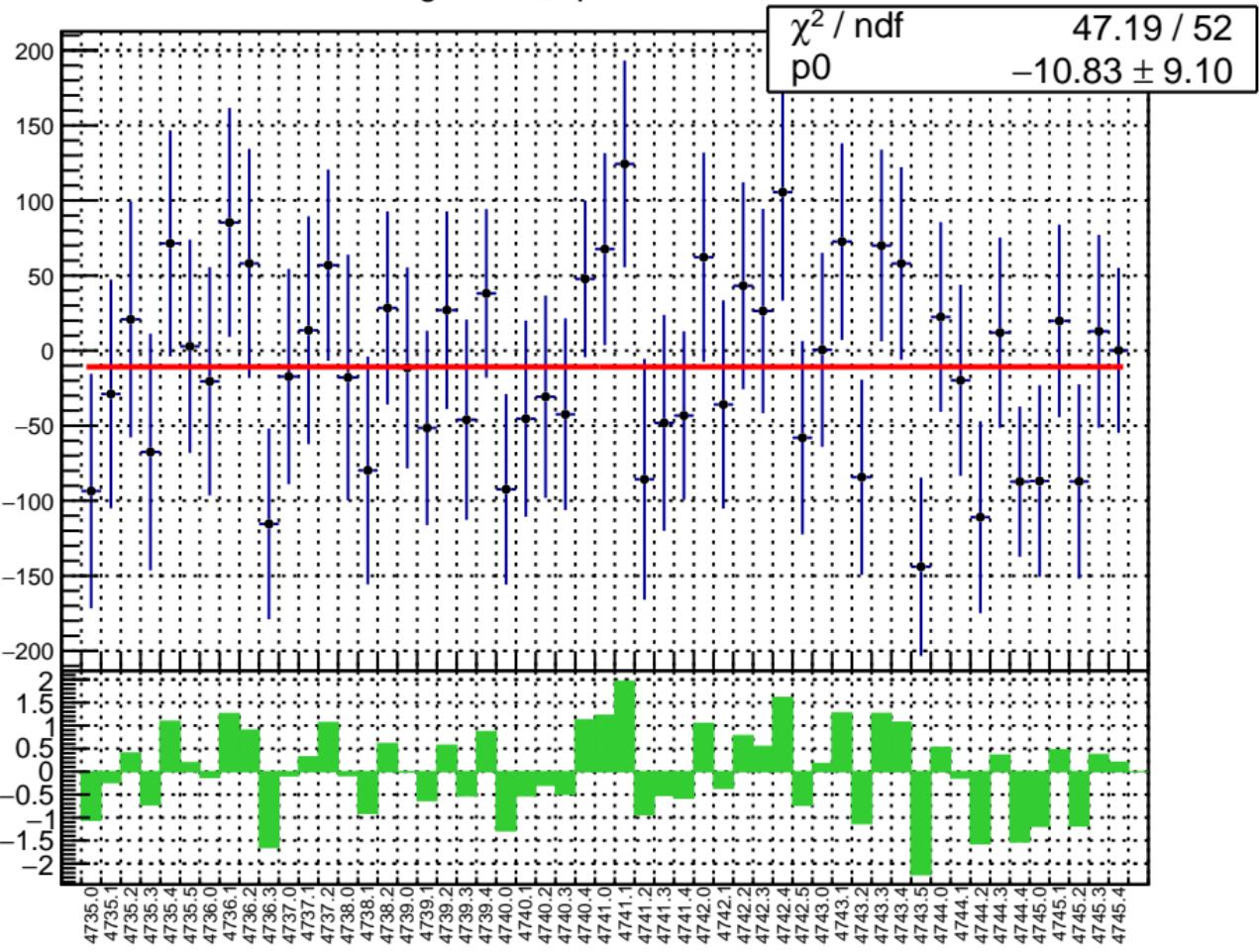
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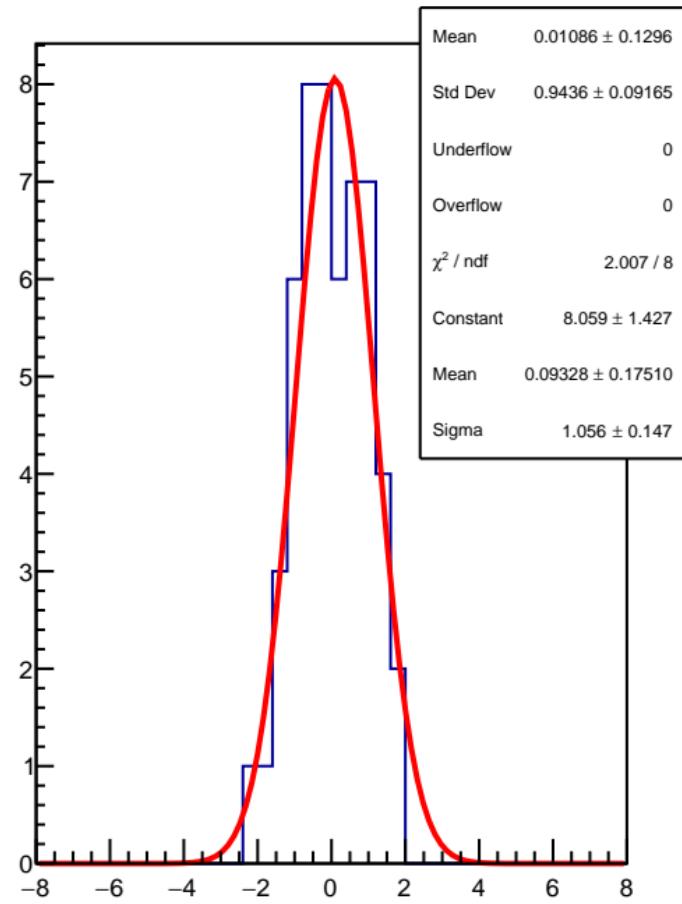
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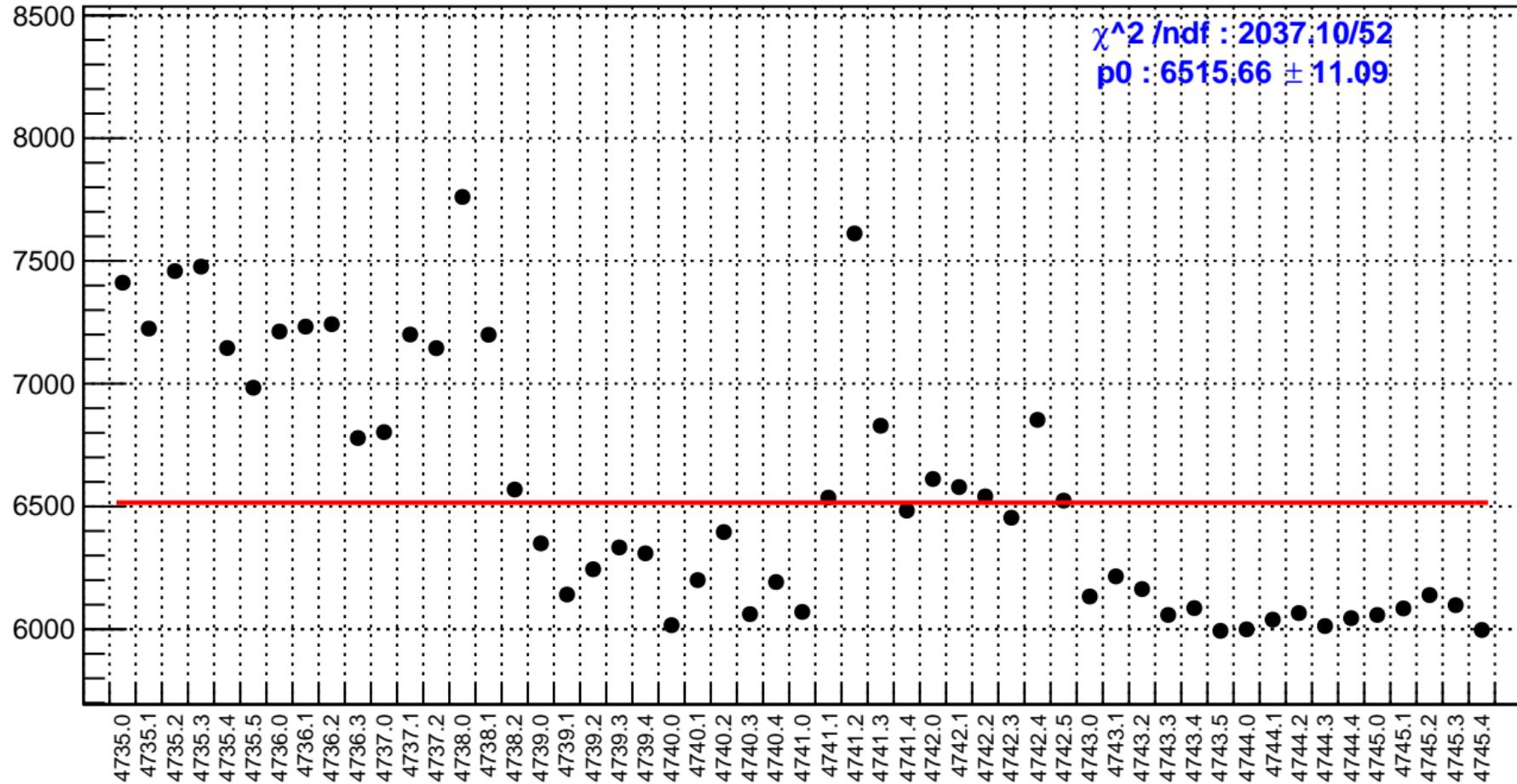
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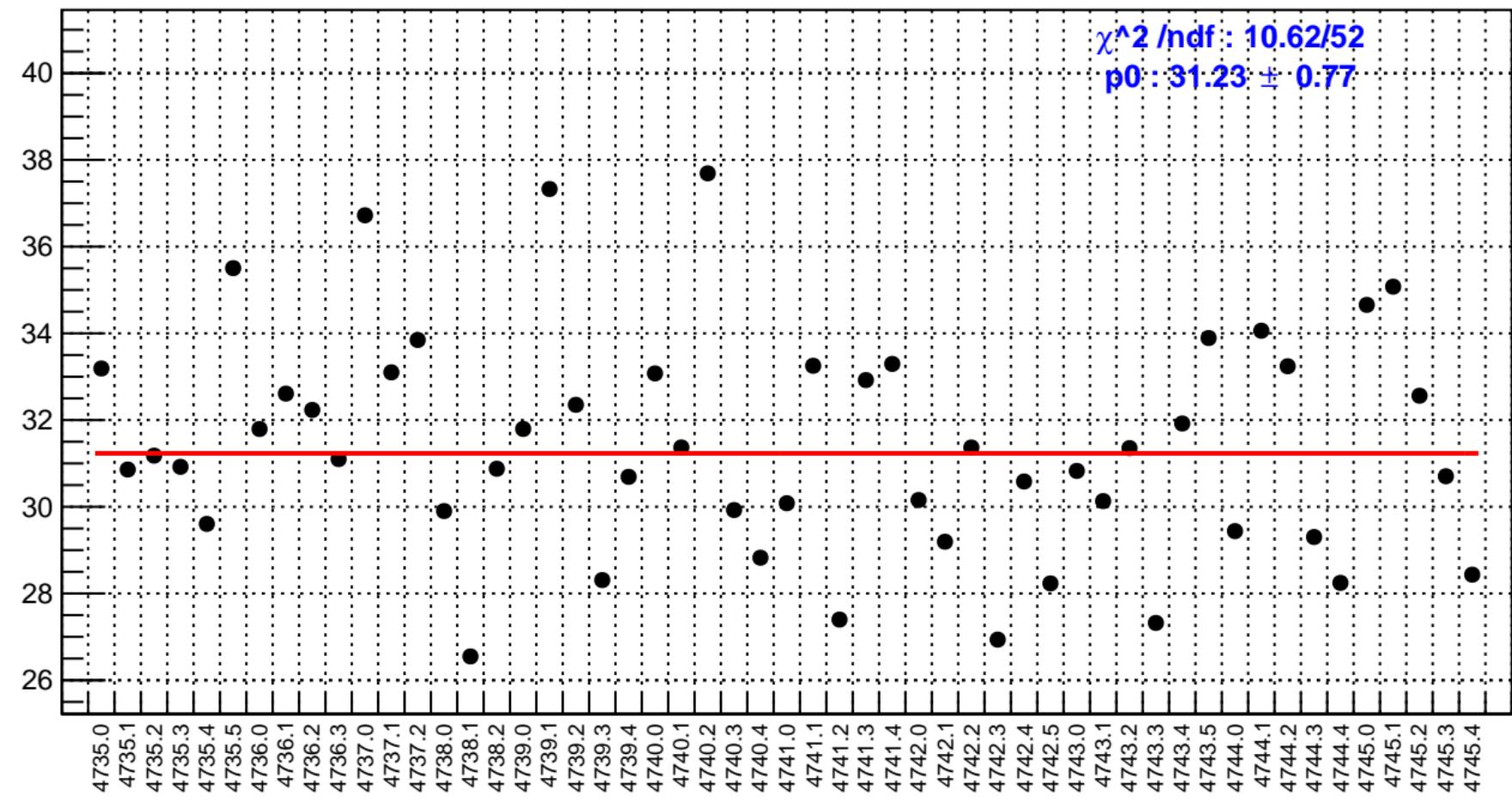
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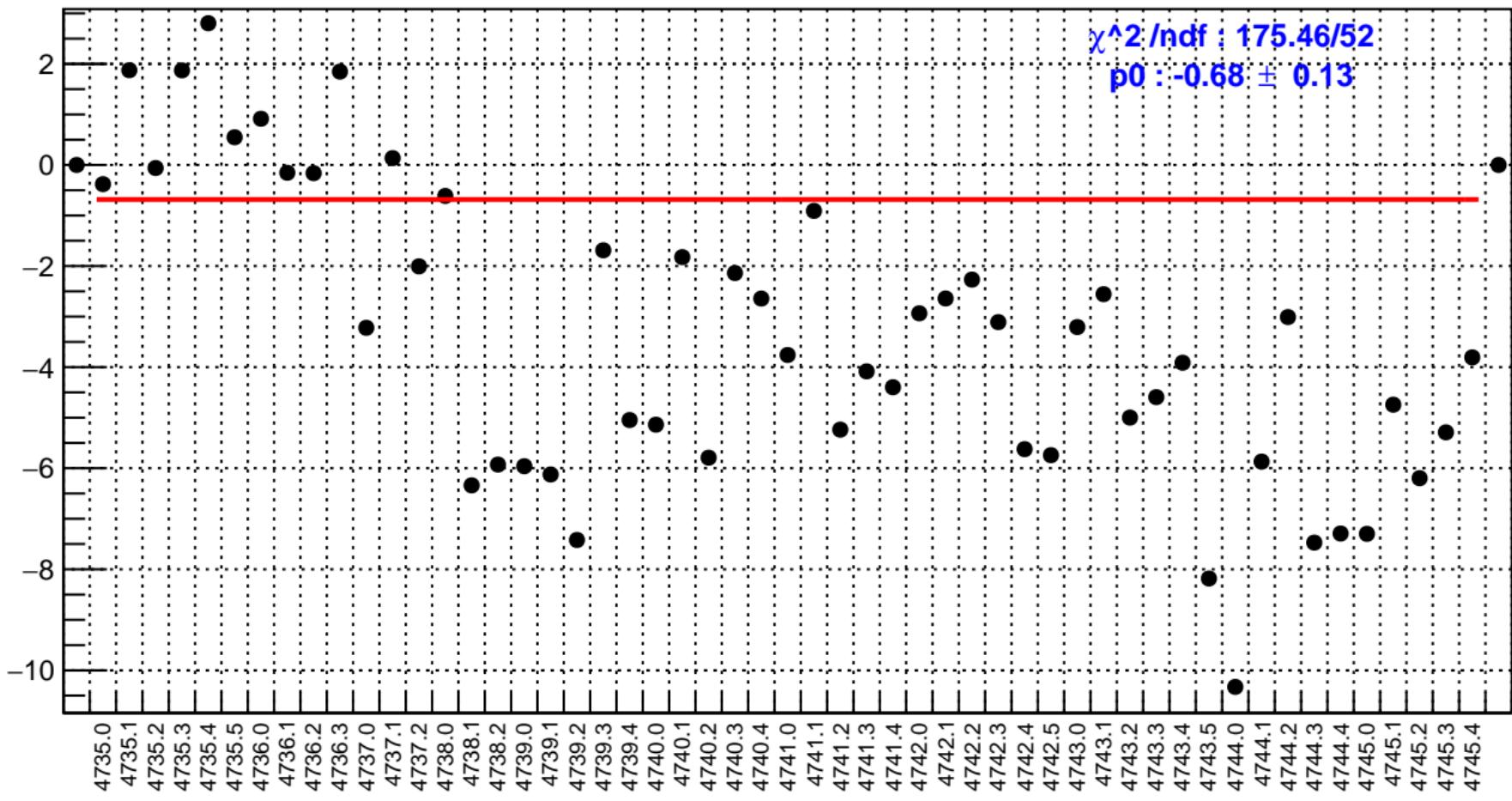
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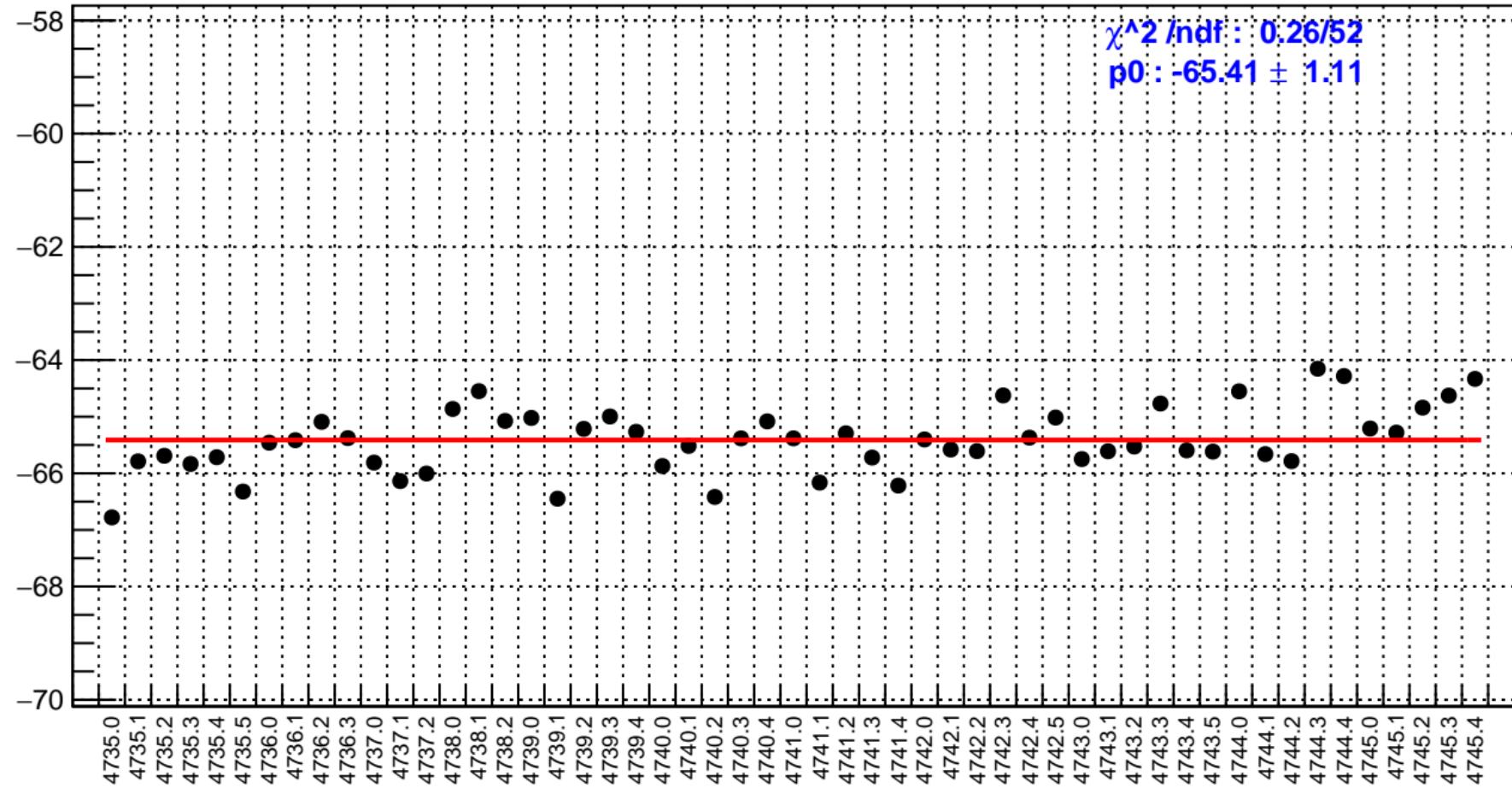
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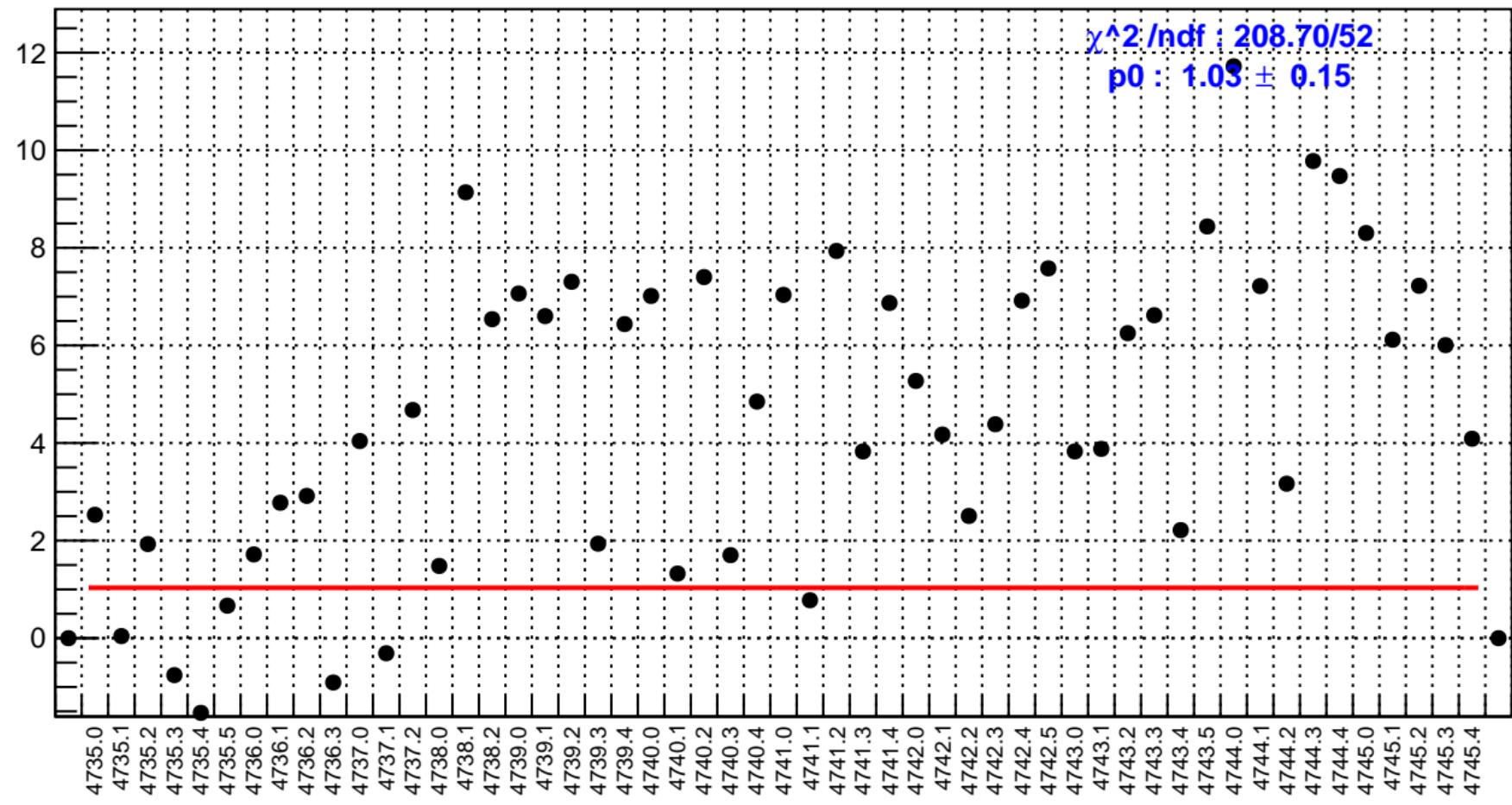
slug77: usl_bpm4aY/(ppb/nm)



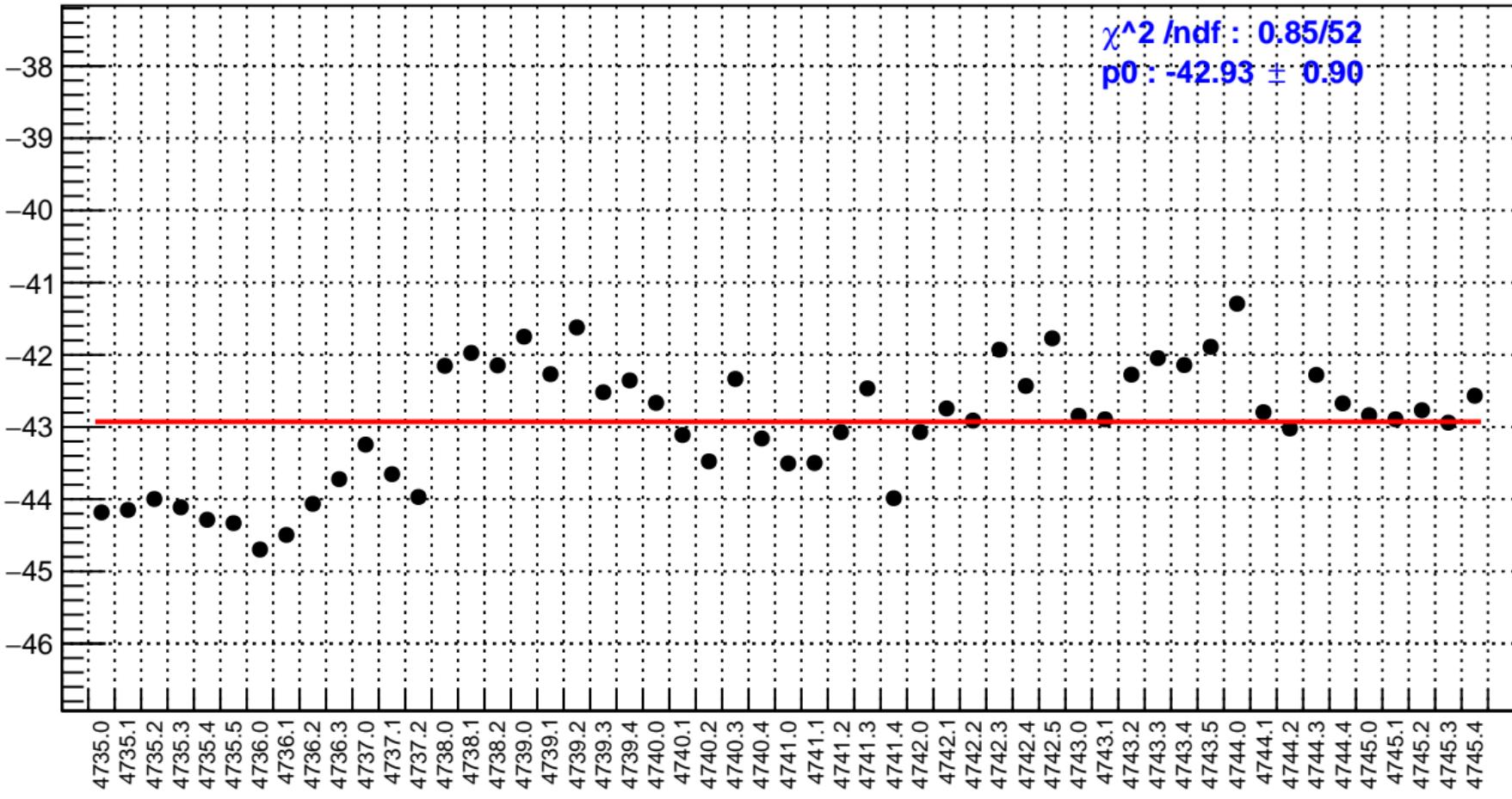
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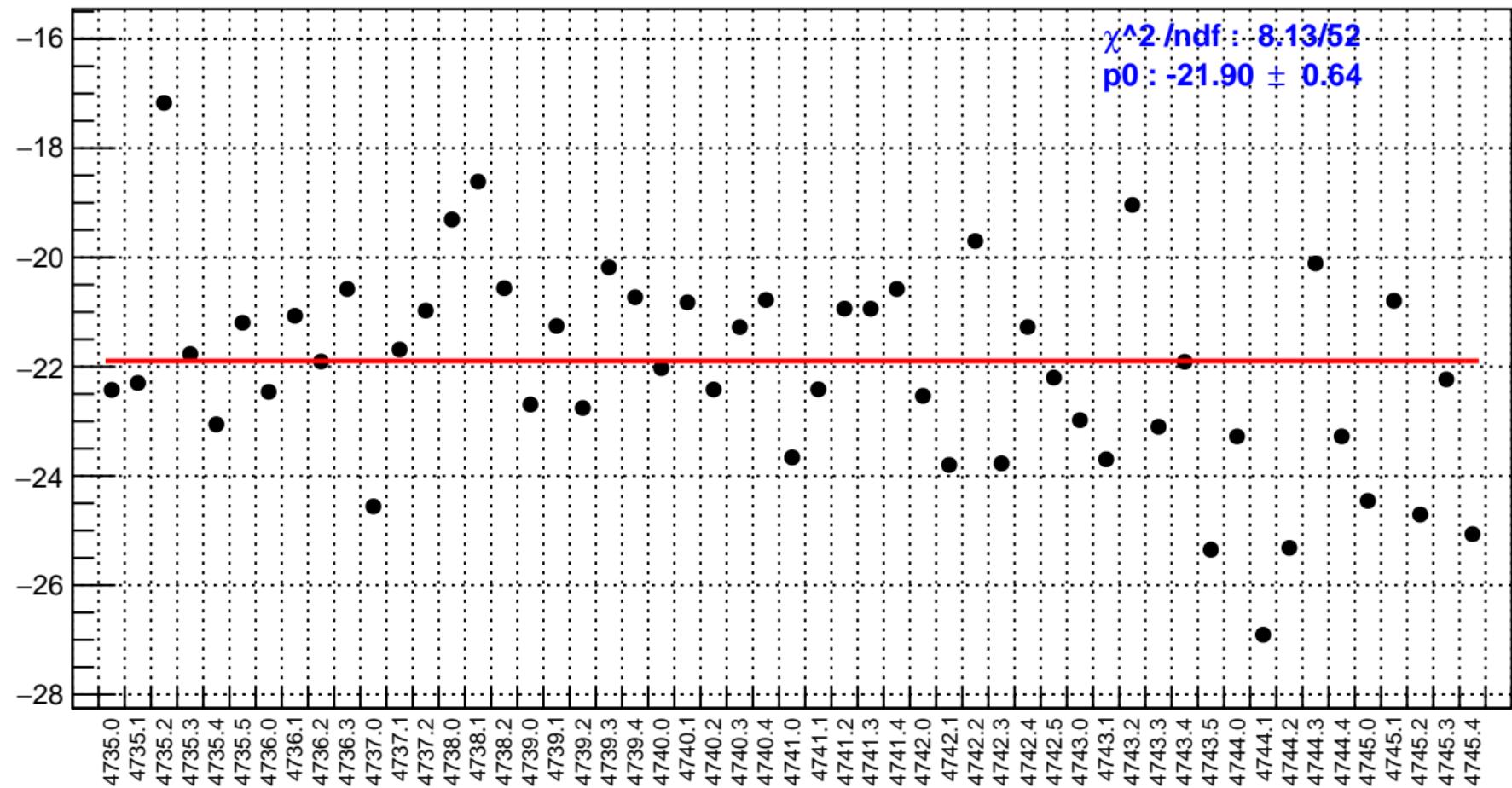
slug77: usl_bpm4eY/(ppb/nm)



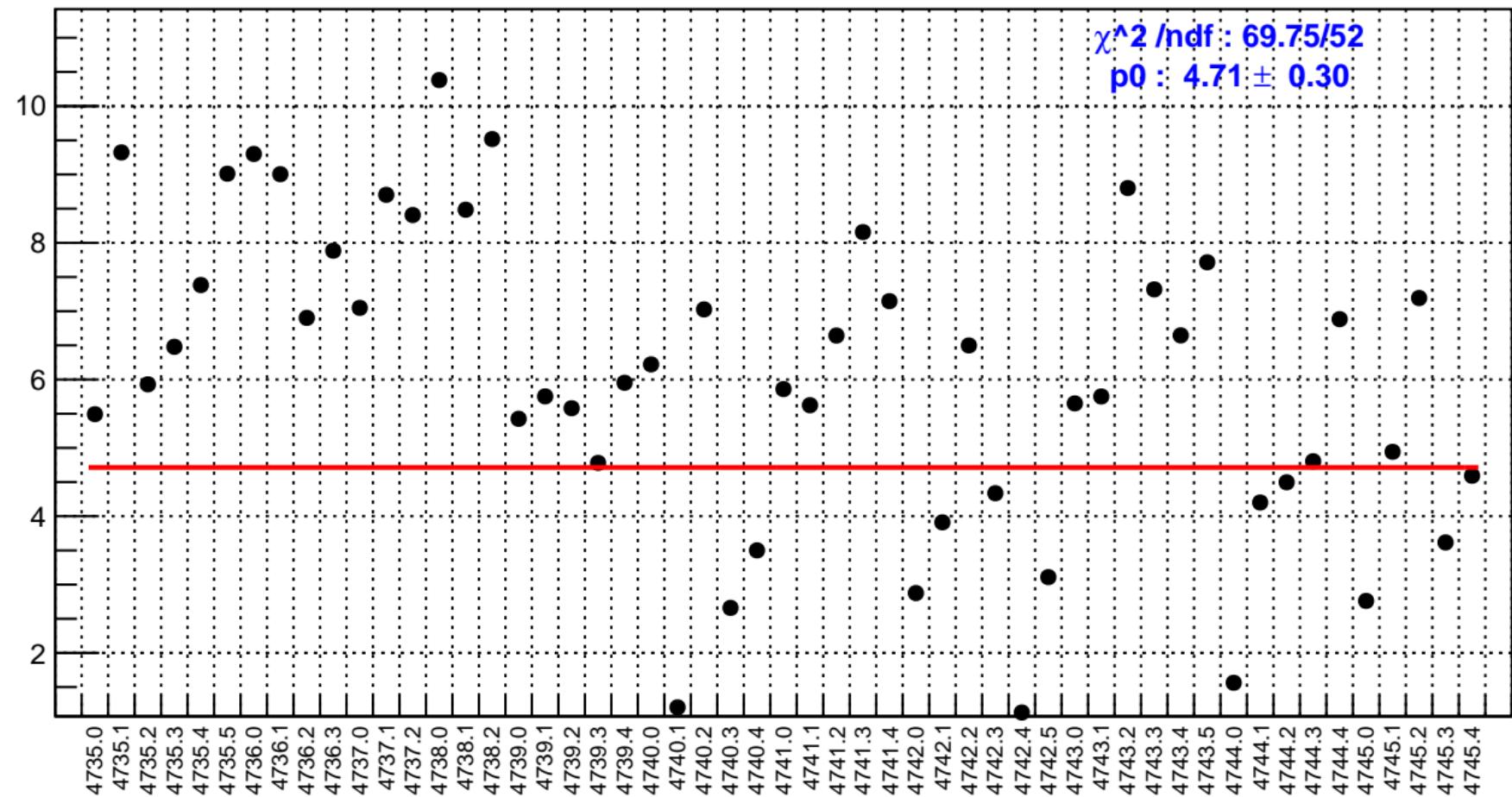
slug77: usl_bpm12X/(ppb/nm)



slug77: usr_bpm4aX/(ppb/nm)

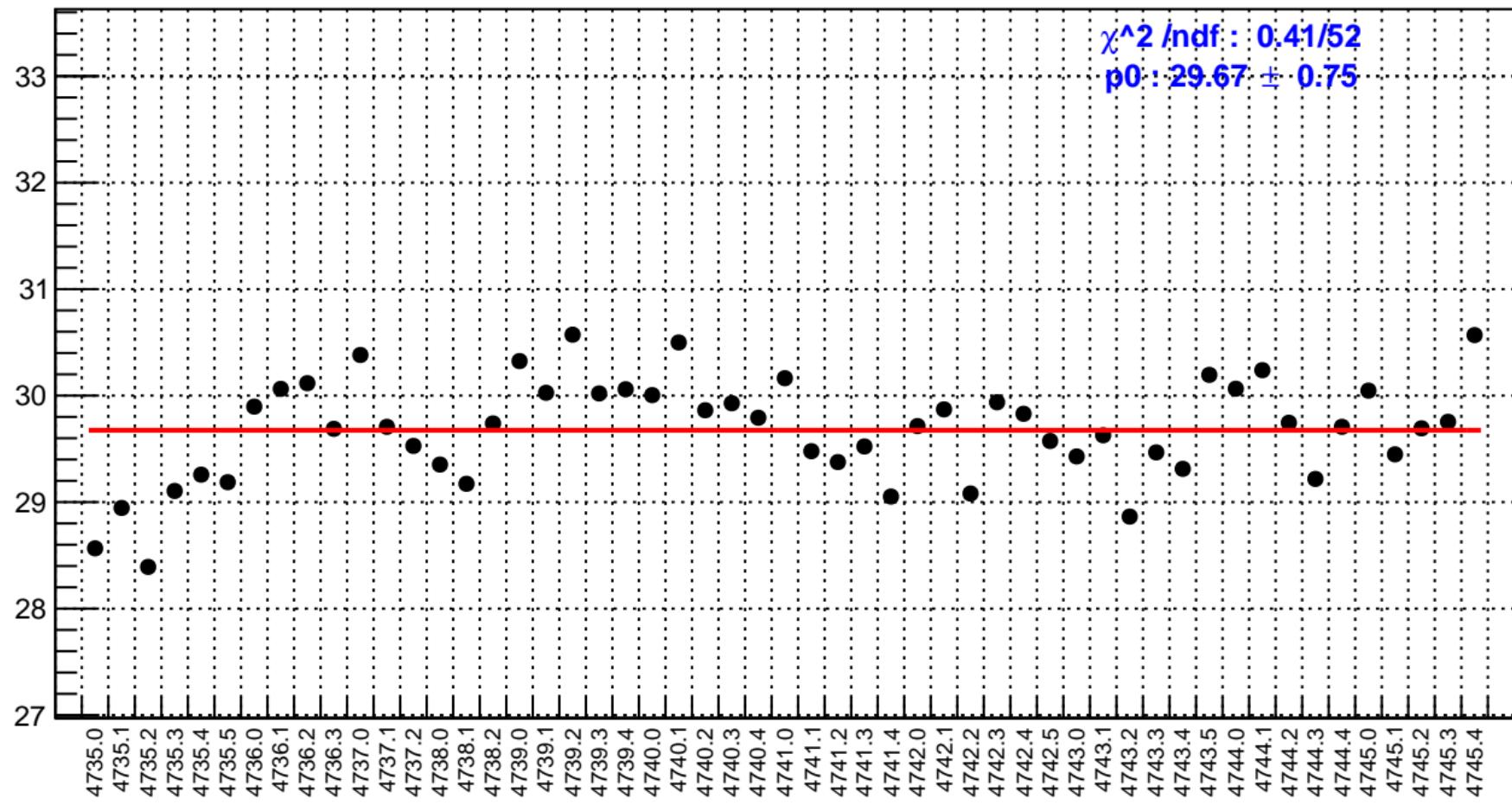


slug77: usr_bpm4aY/(ppb/nm)

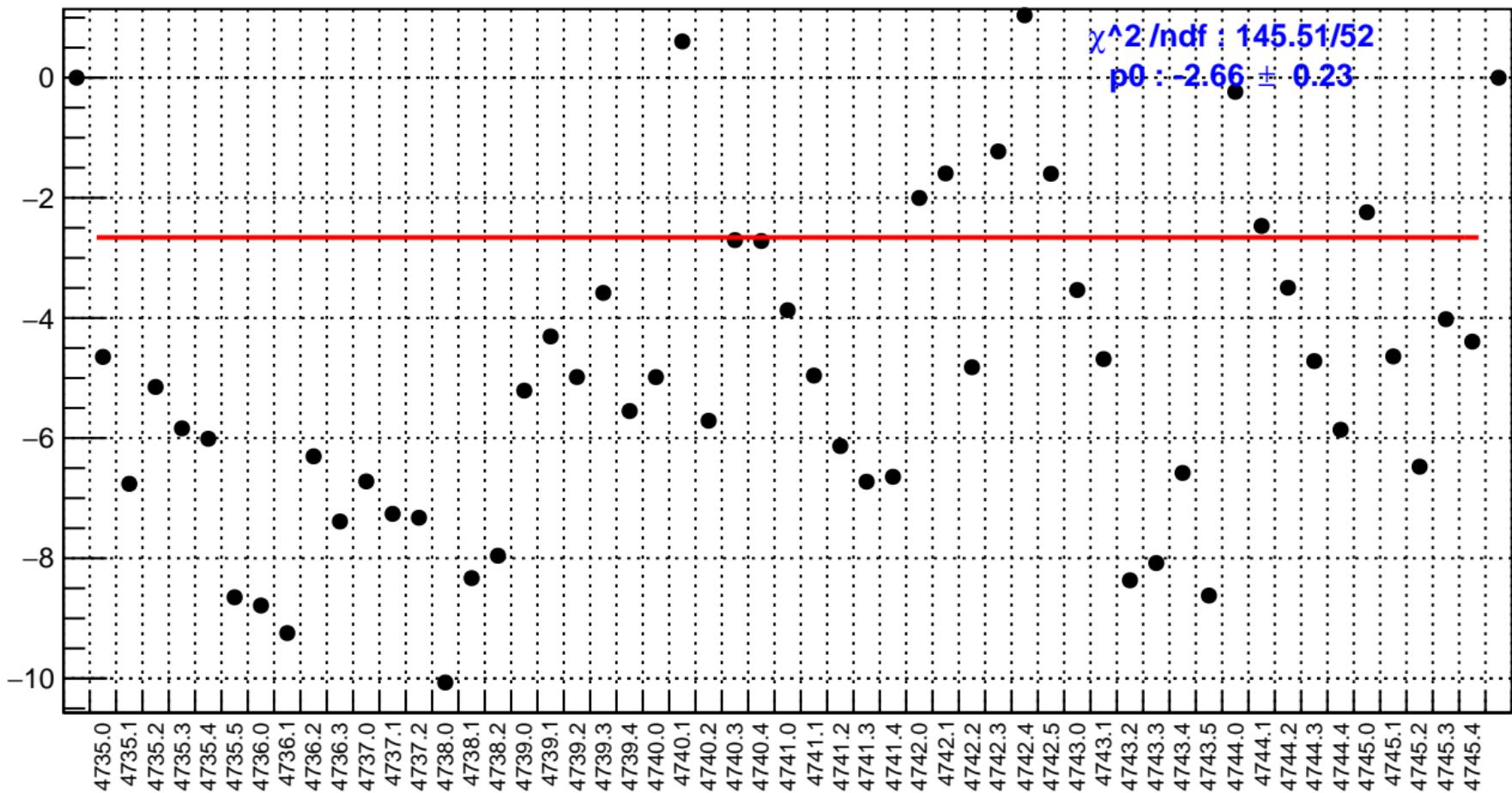


slug77: usr_bpm4eX/(ppb/nm)

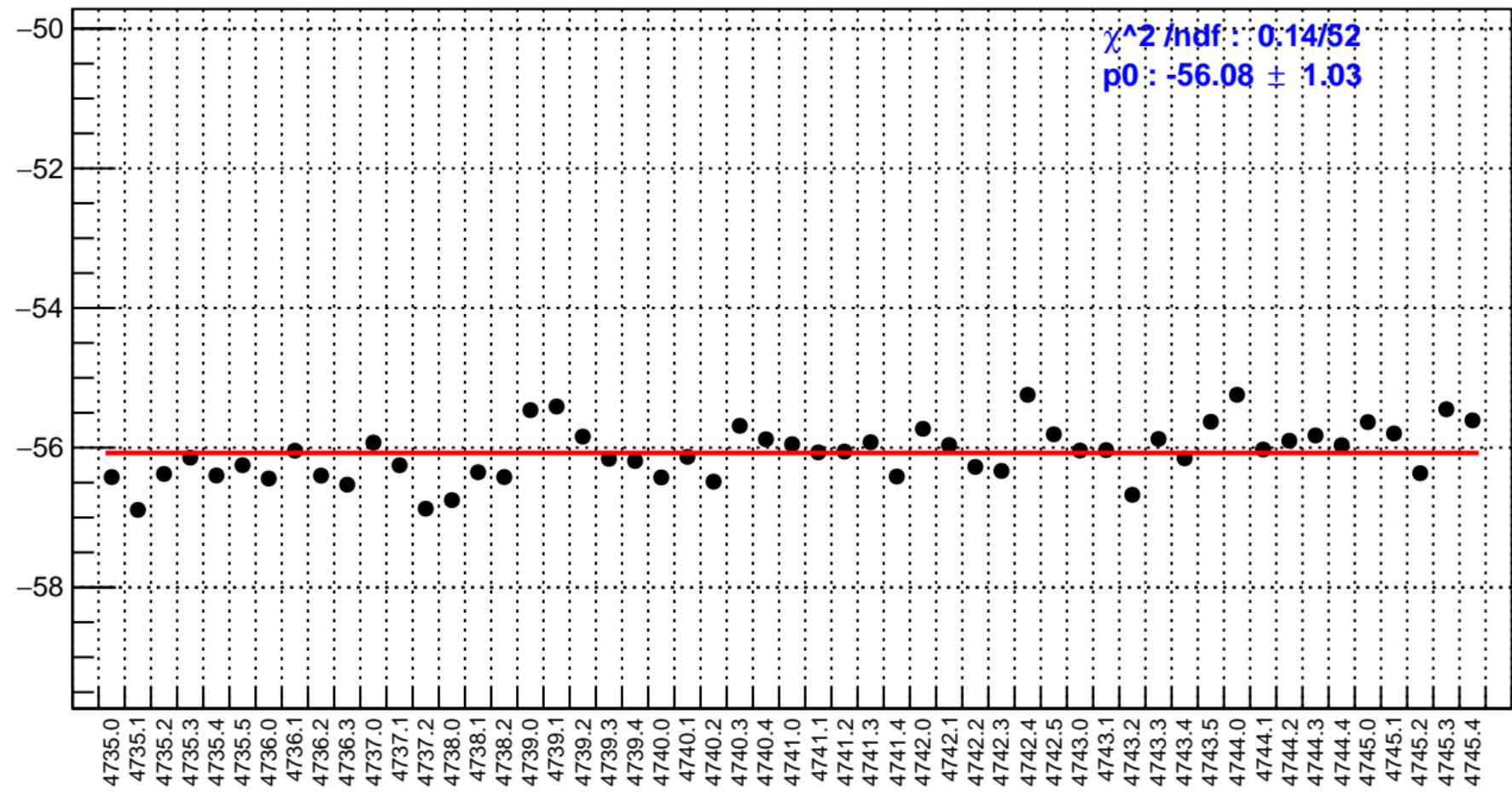
$\chi^2 / \text{ndf} : 0.41 / 52$
 $p_0 : 29.67 \pm 0.75$



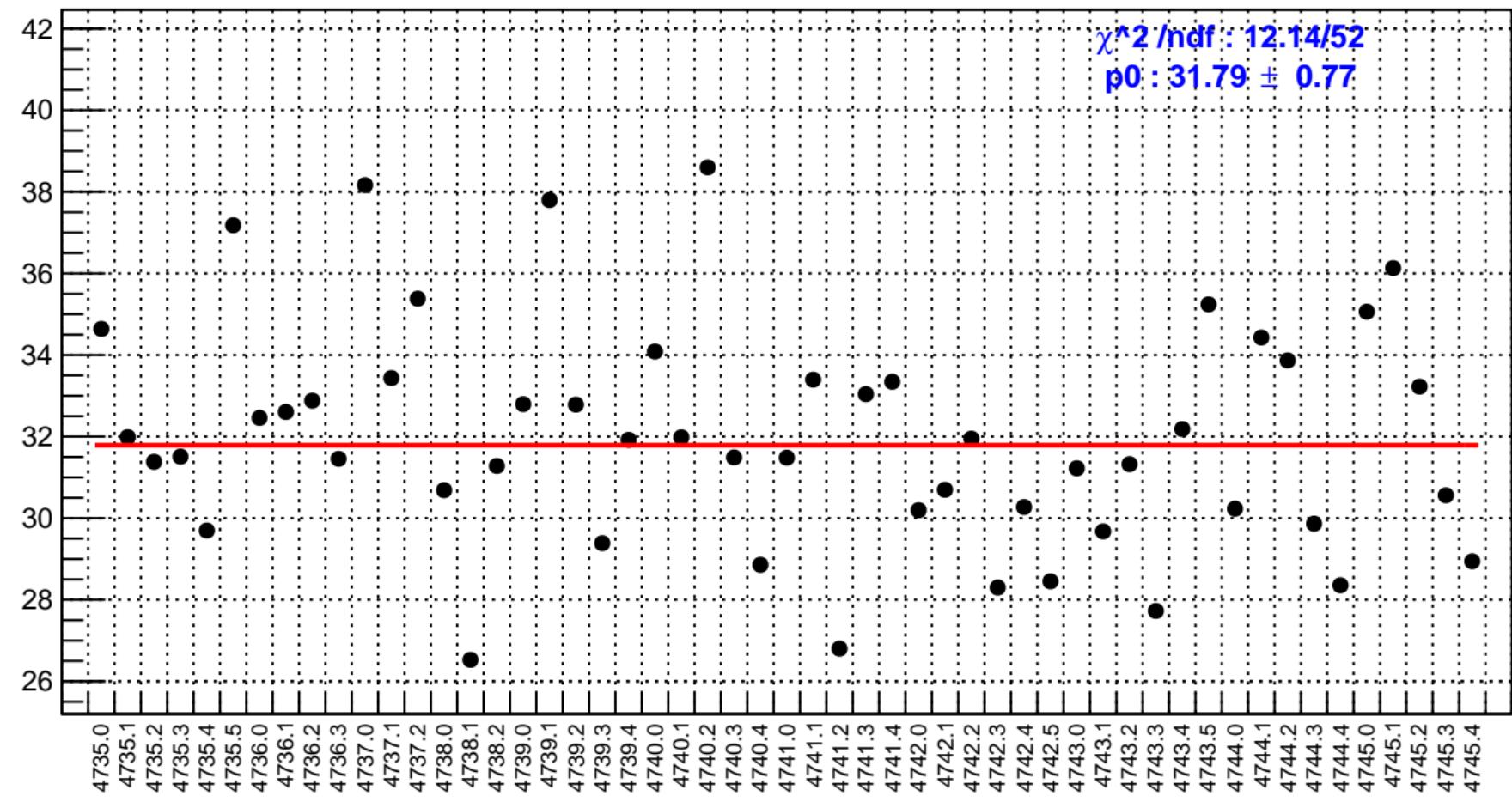
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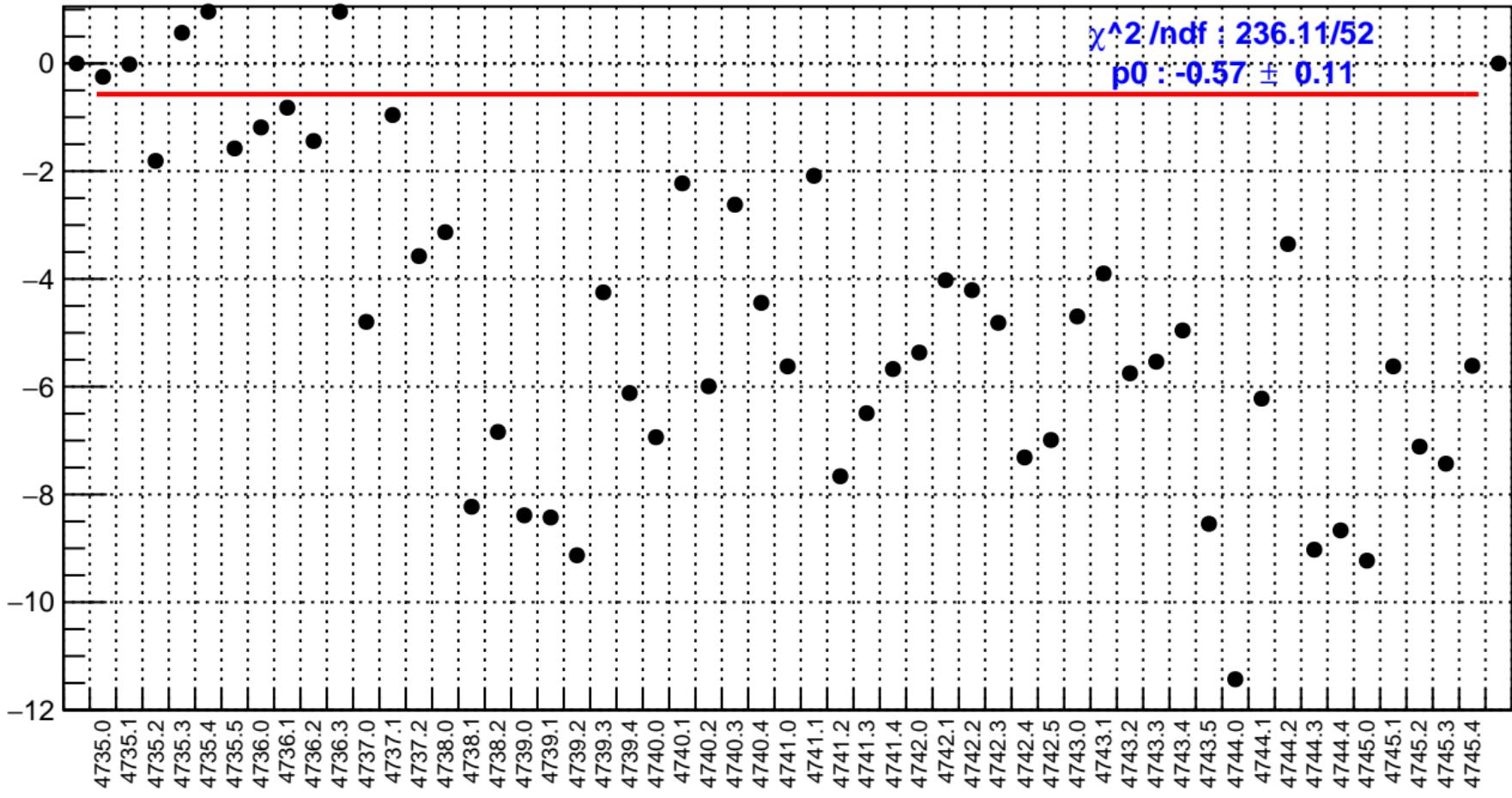
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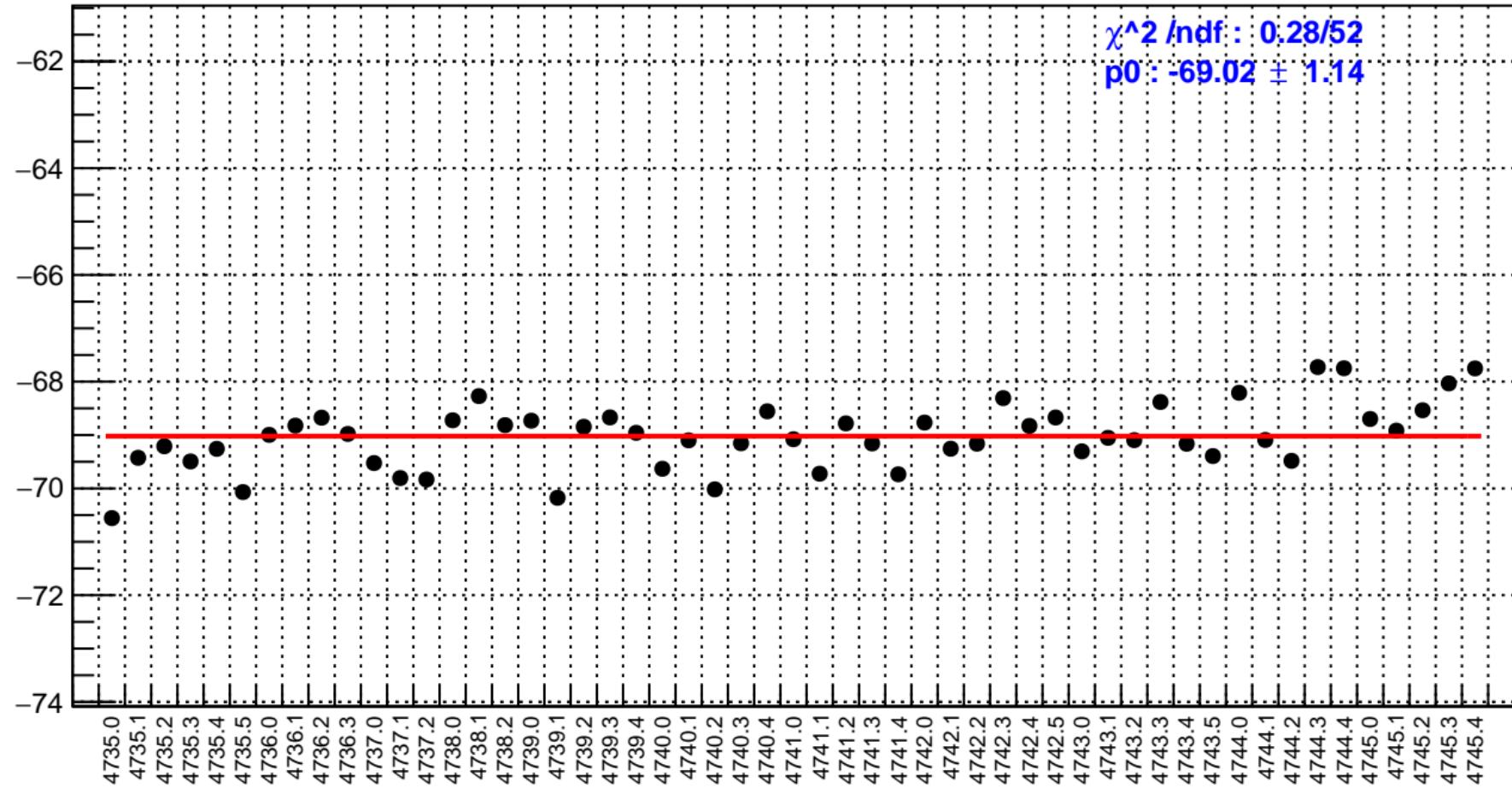
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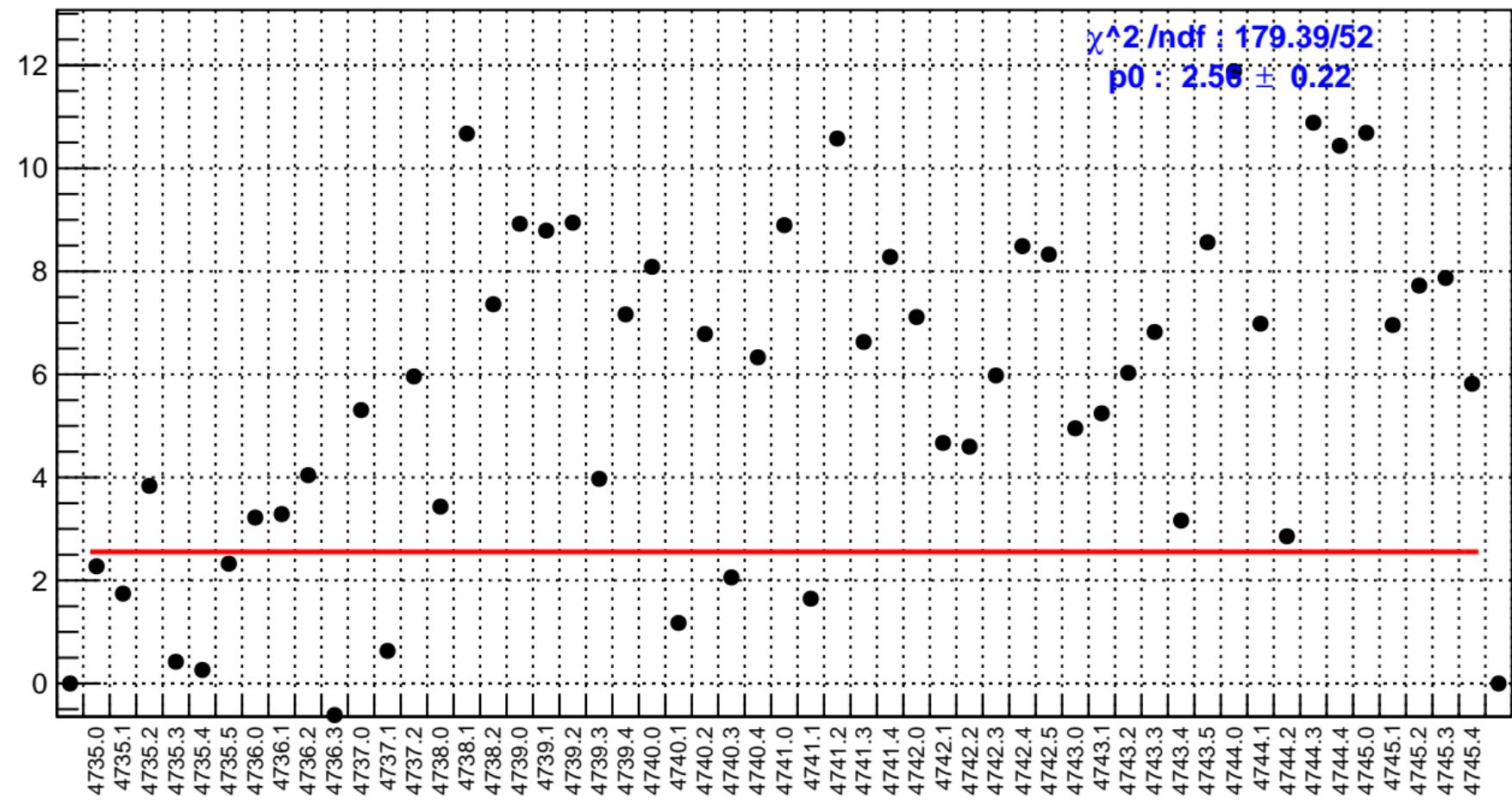
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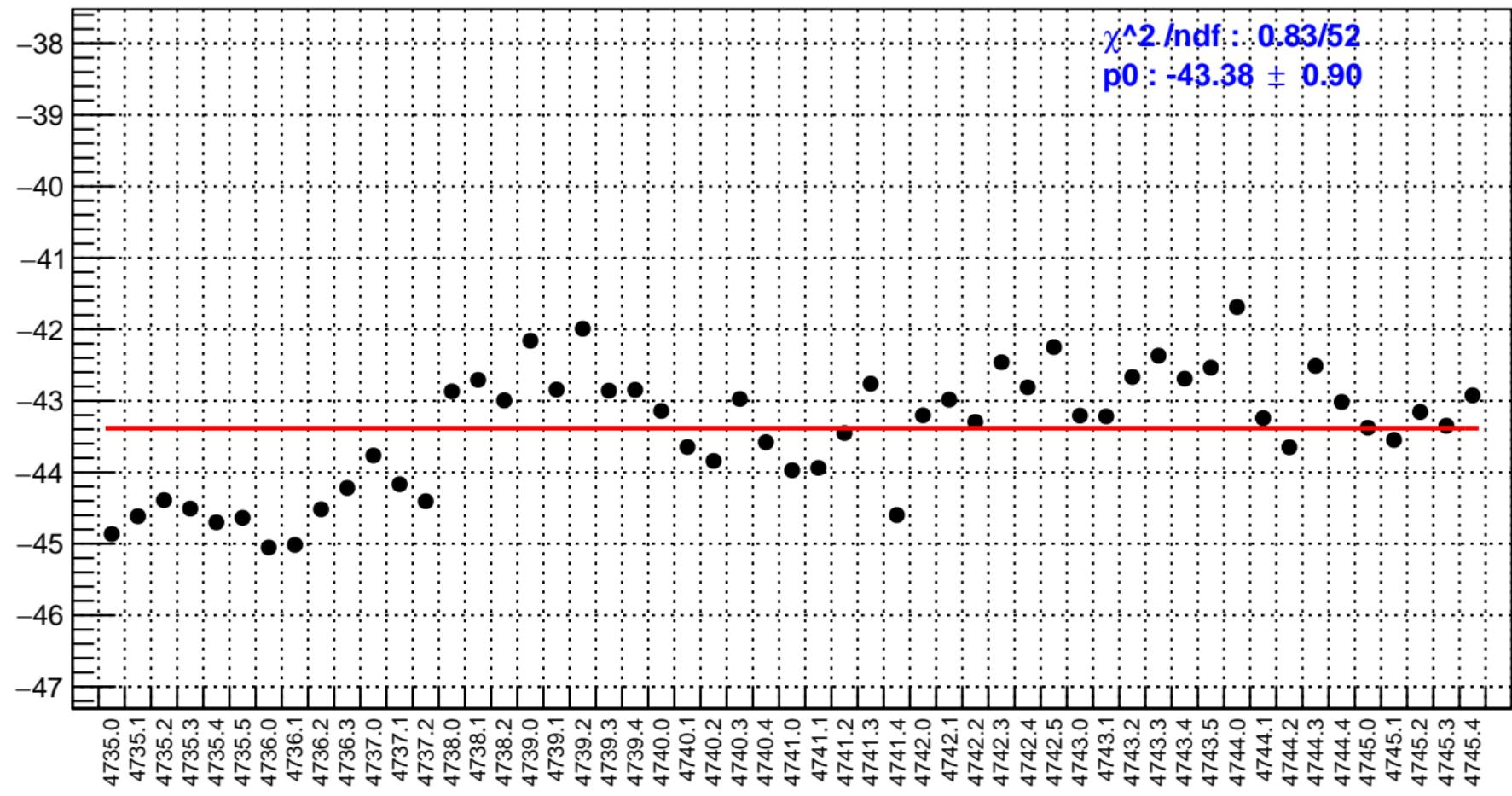
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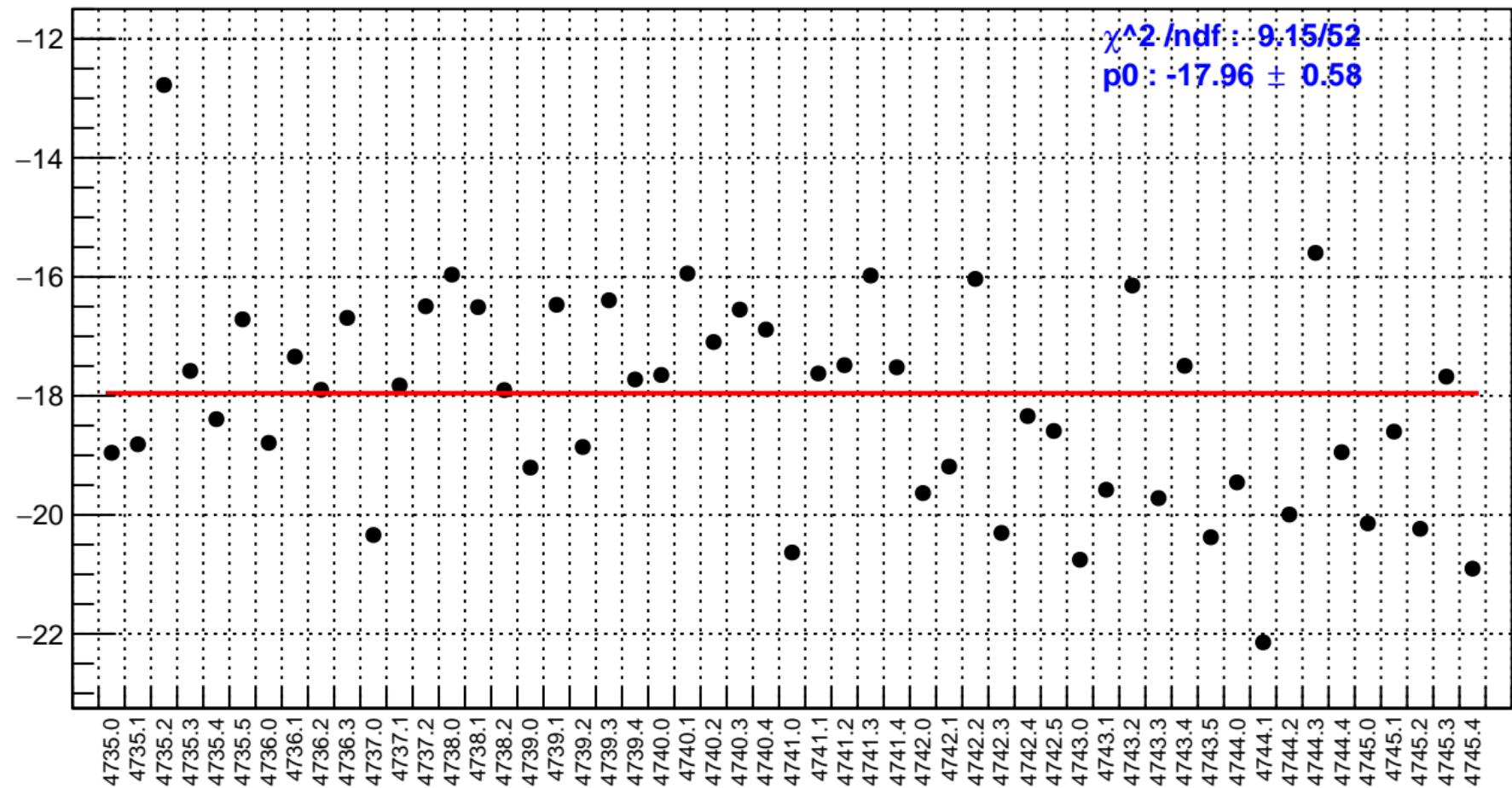
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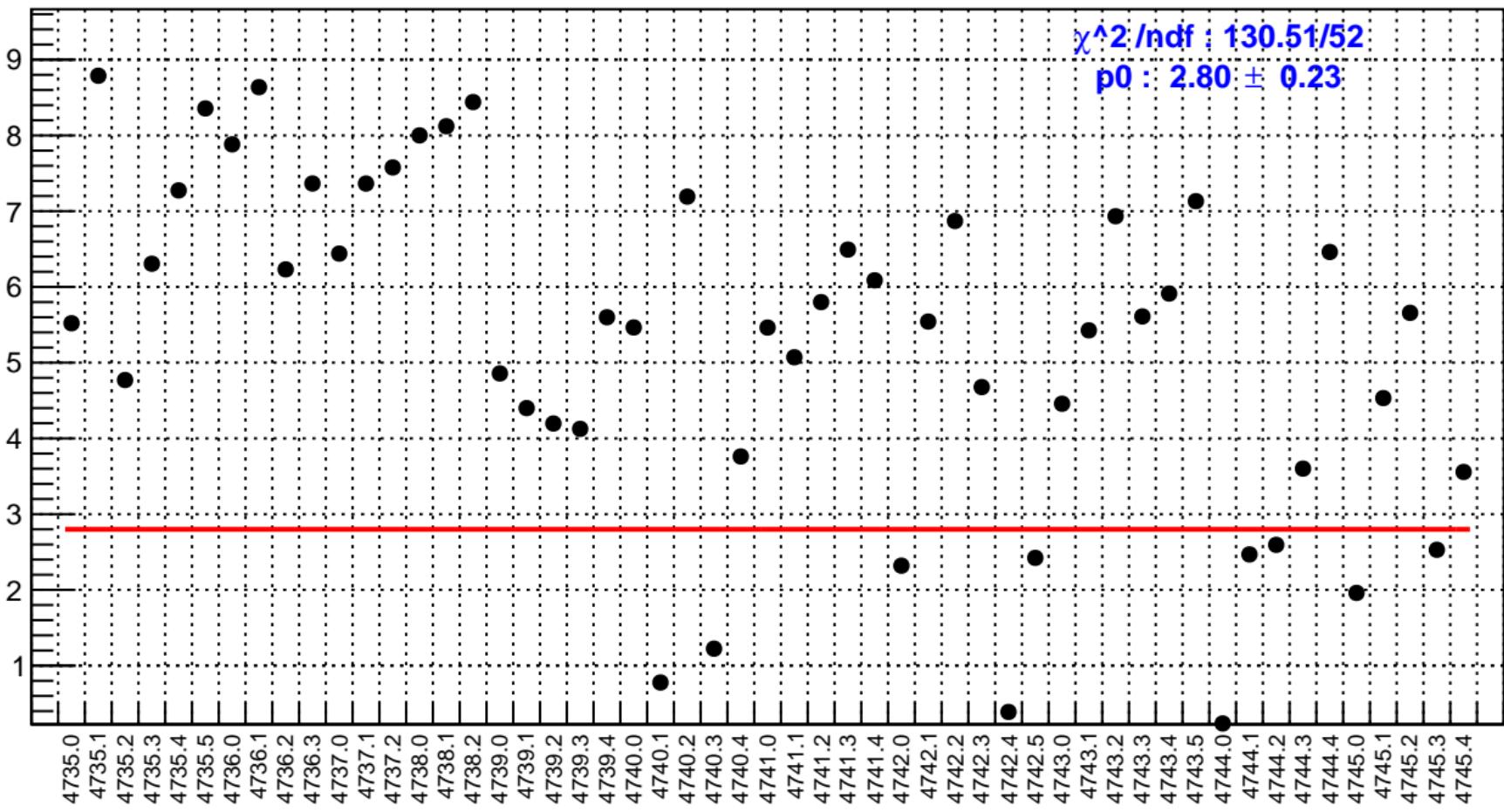
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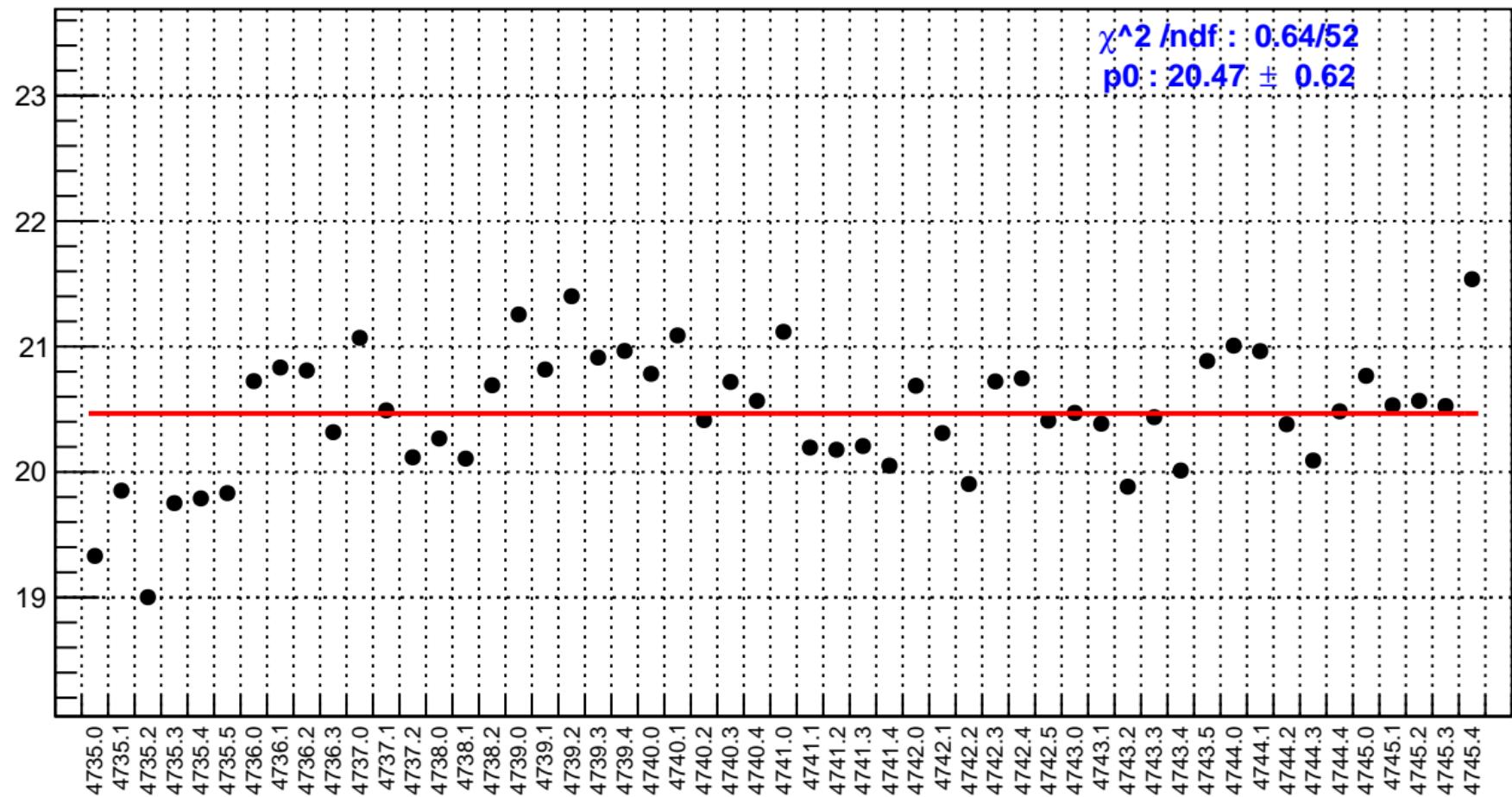
slug77: dsr_bpm4aX/(ppb/nm)



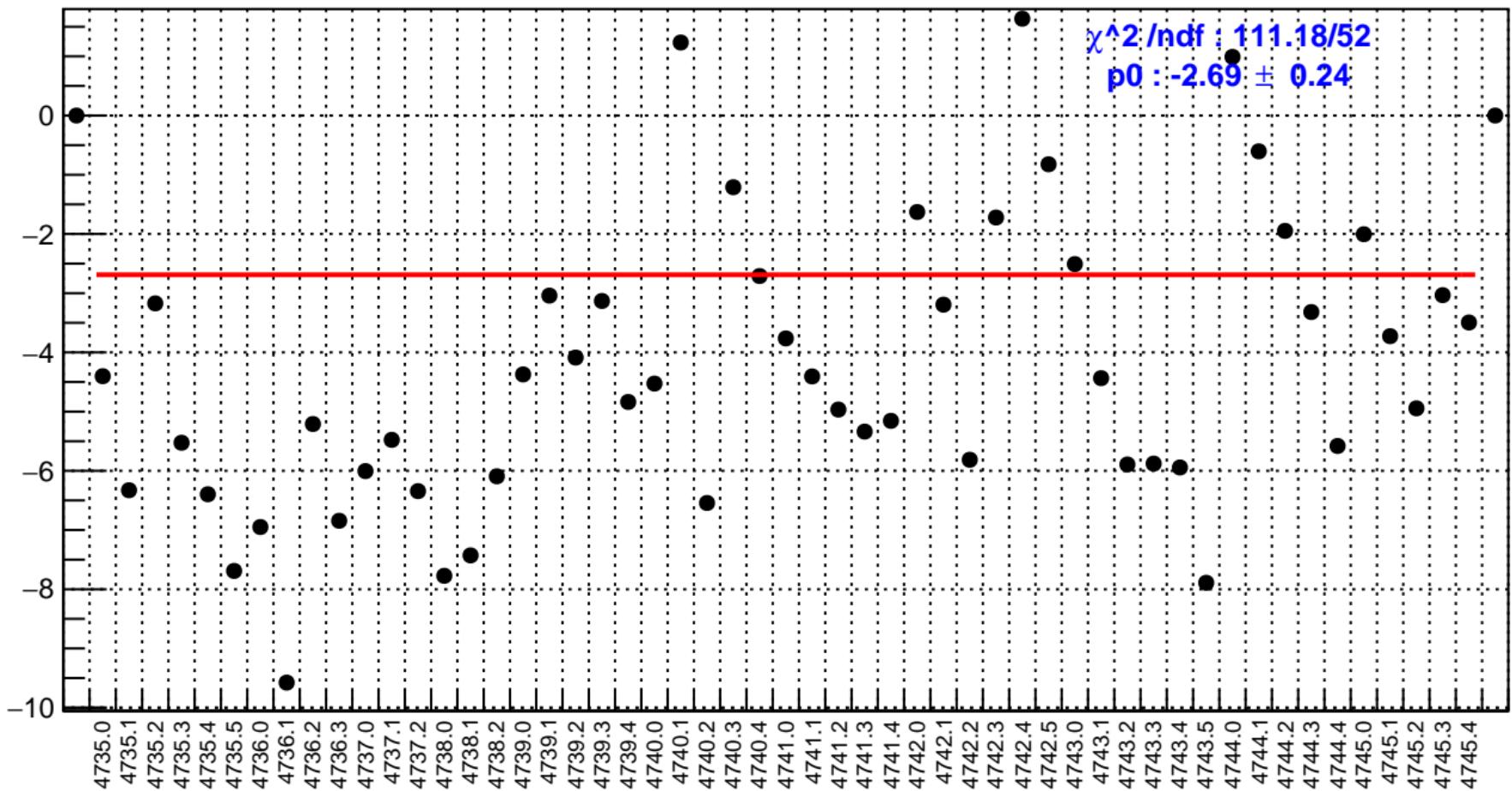
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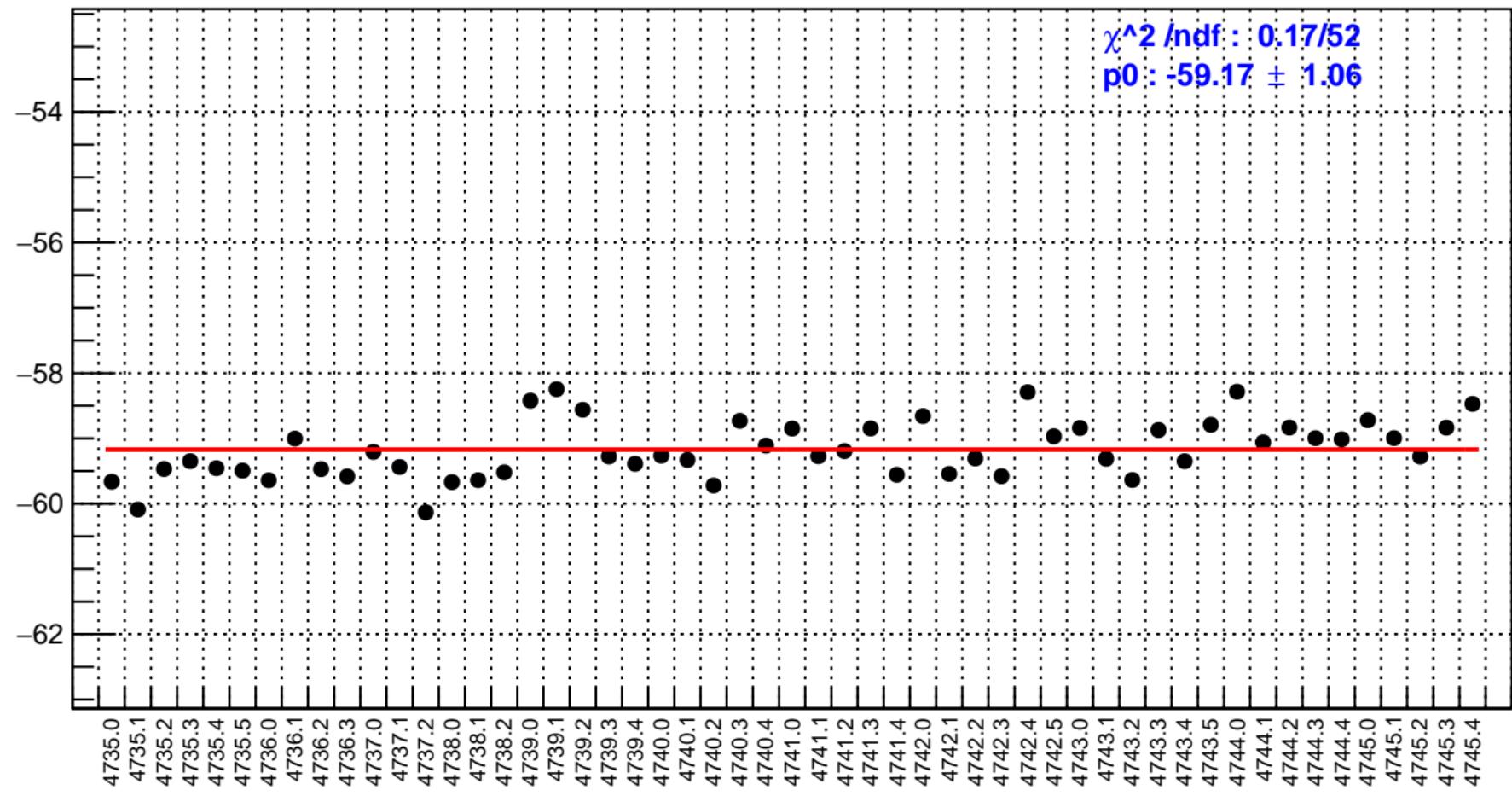
slug77: dsr_bpm4eX/(ppb/nm)



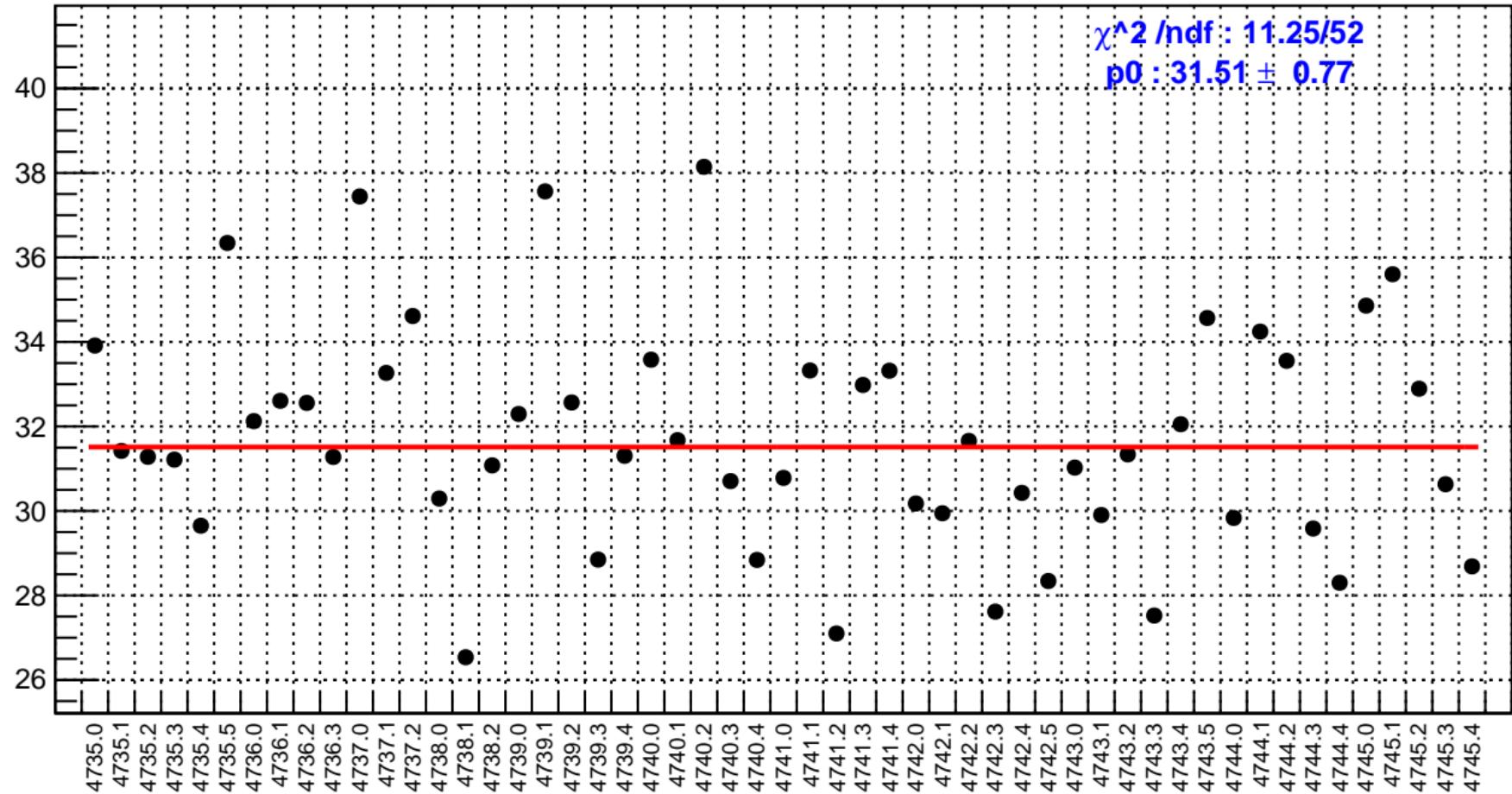
slug77: dsr_bpm4eY/(ppb/nm)



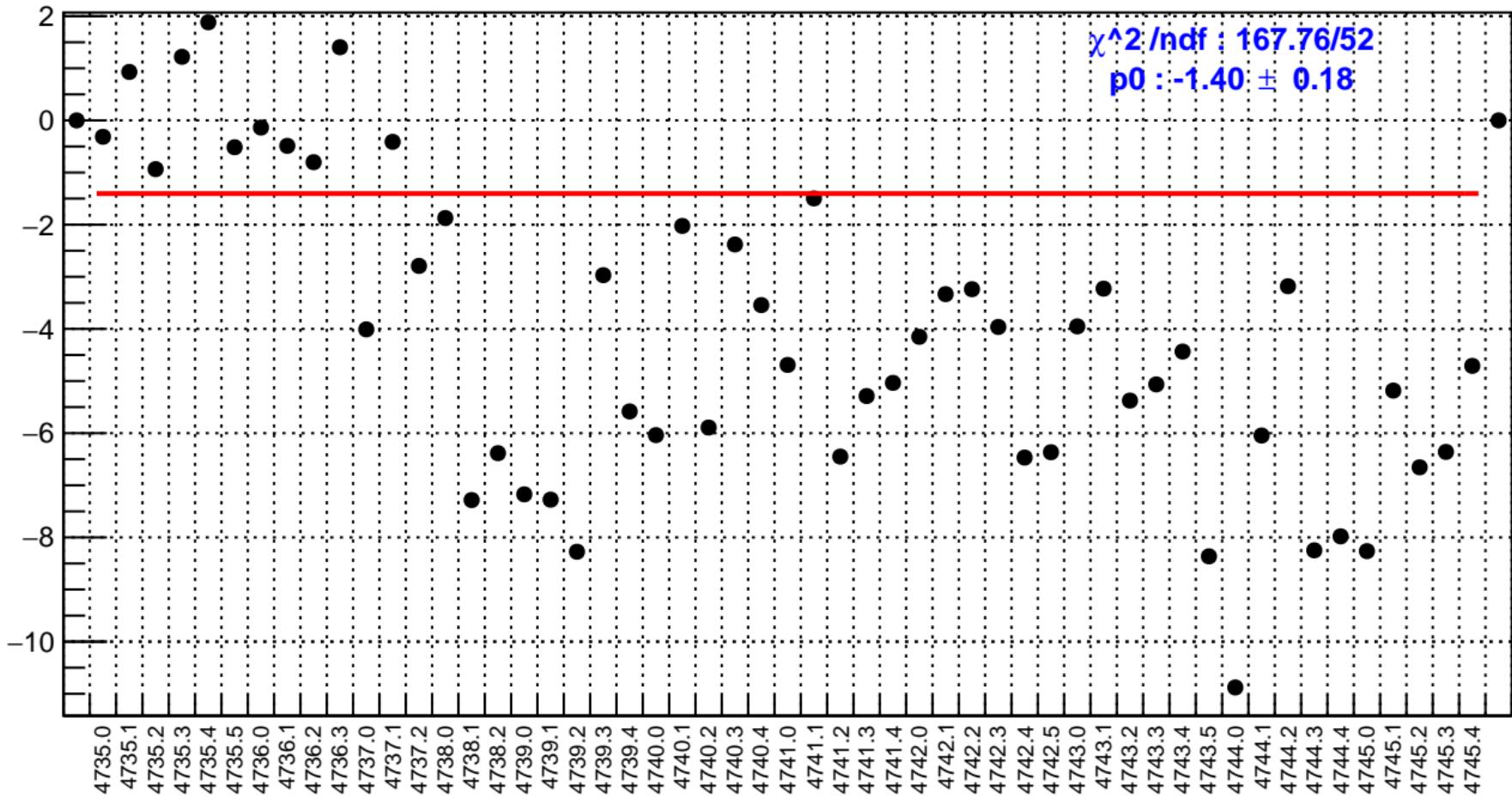
slug77: dsr_bpm12X/(ppb/nm)



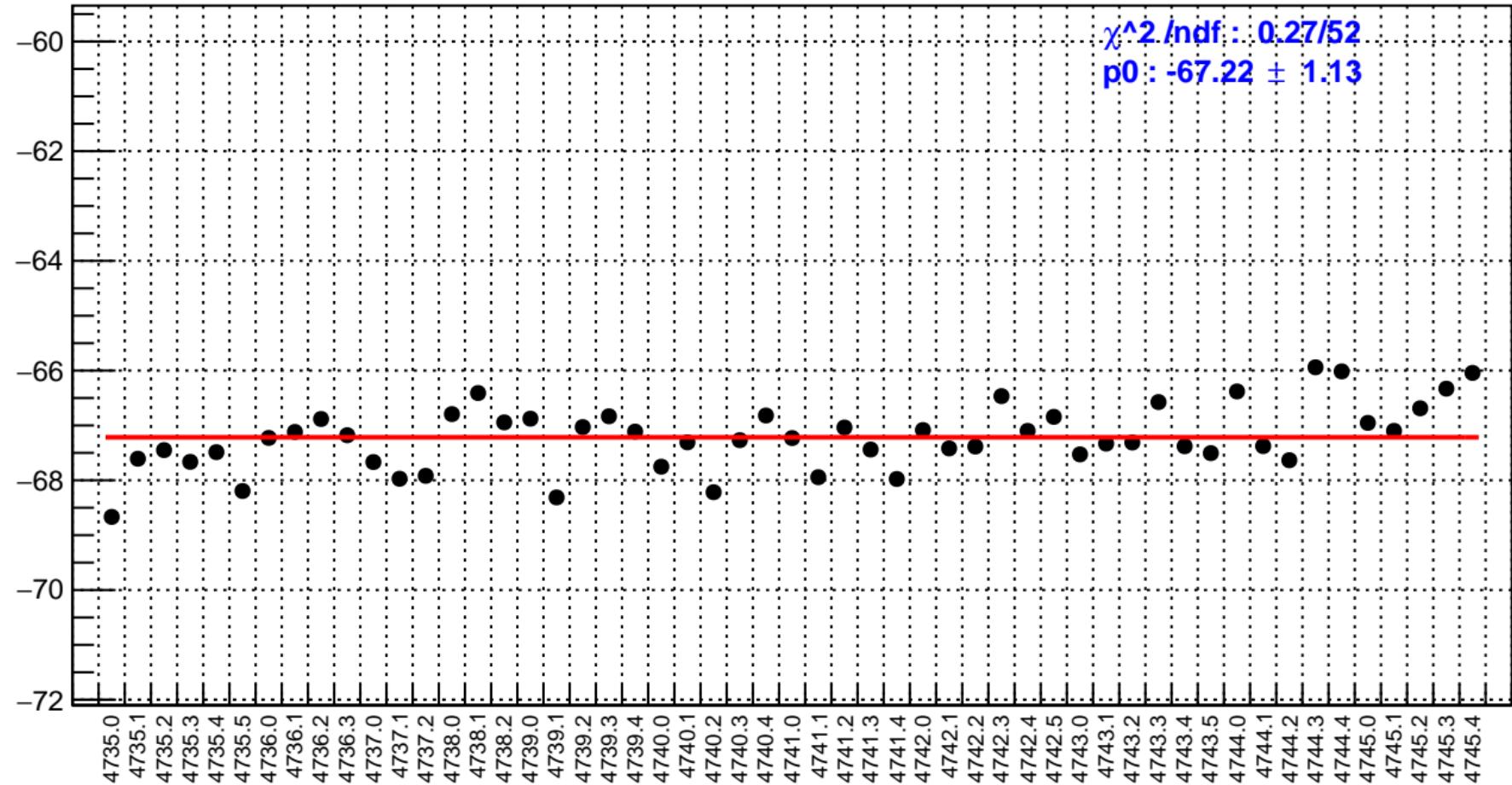
slug77: left_avg_bpm4aX(ppb/nm)



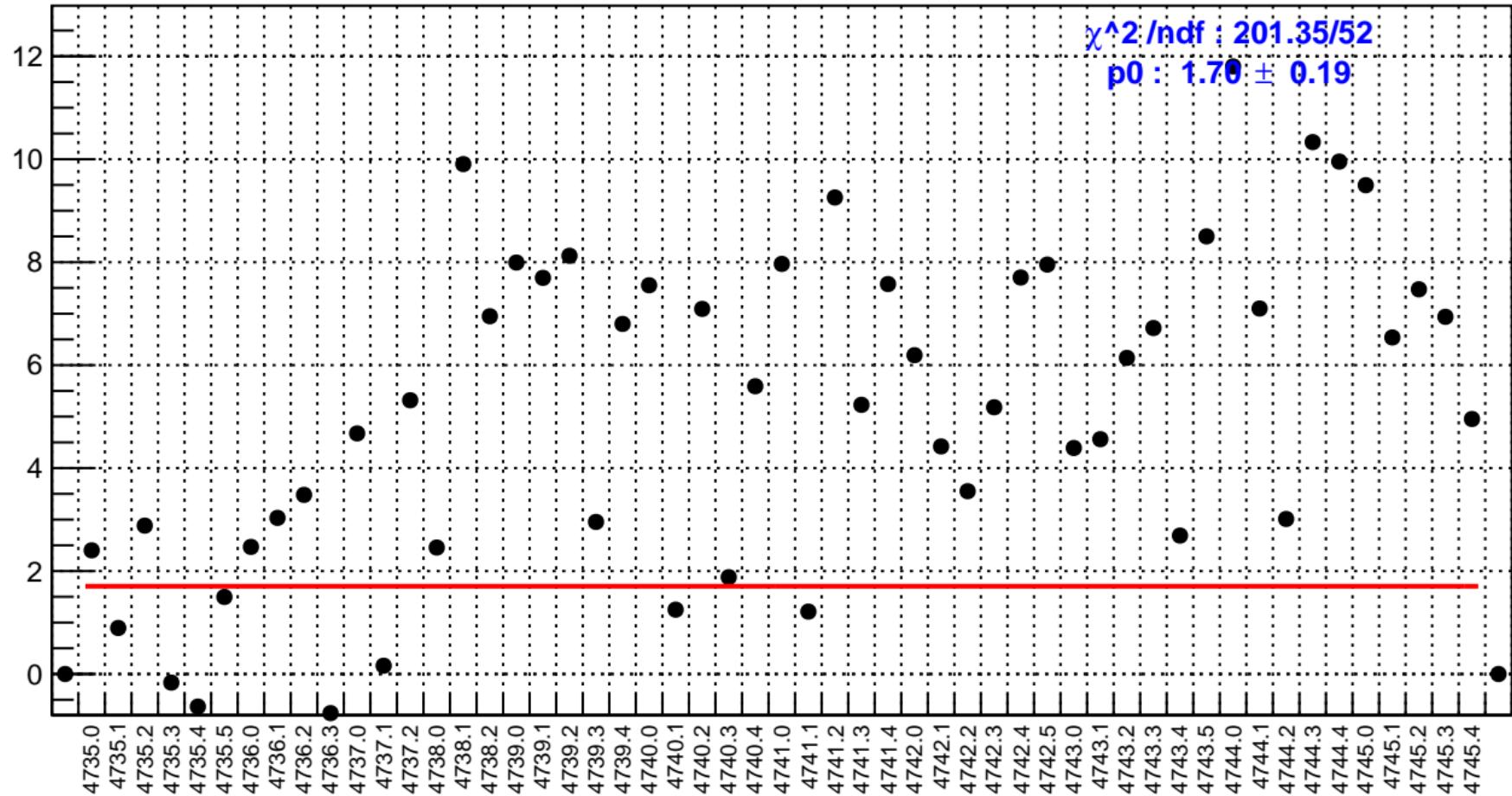
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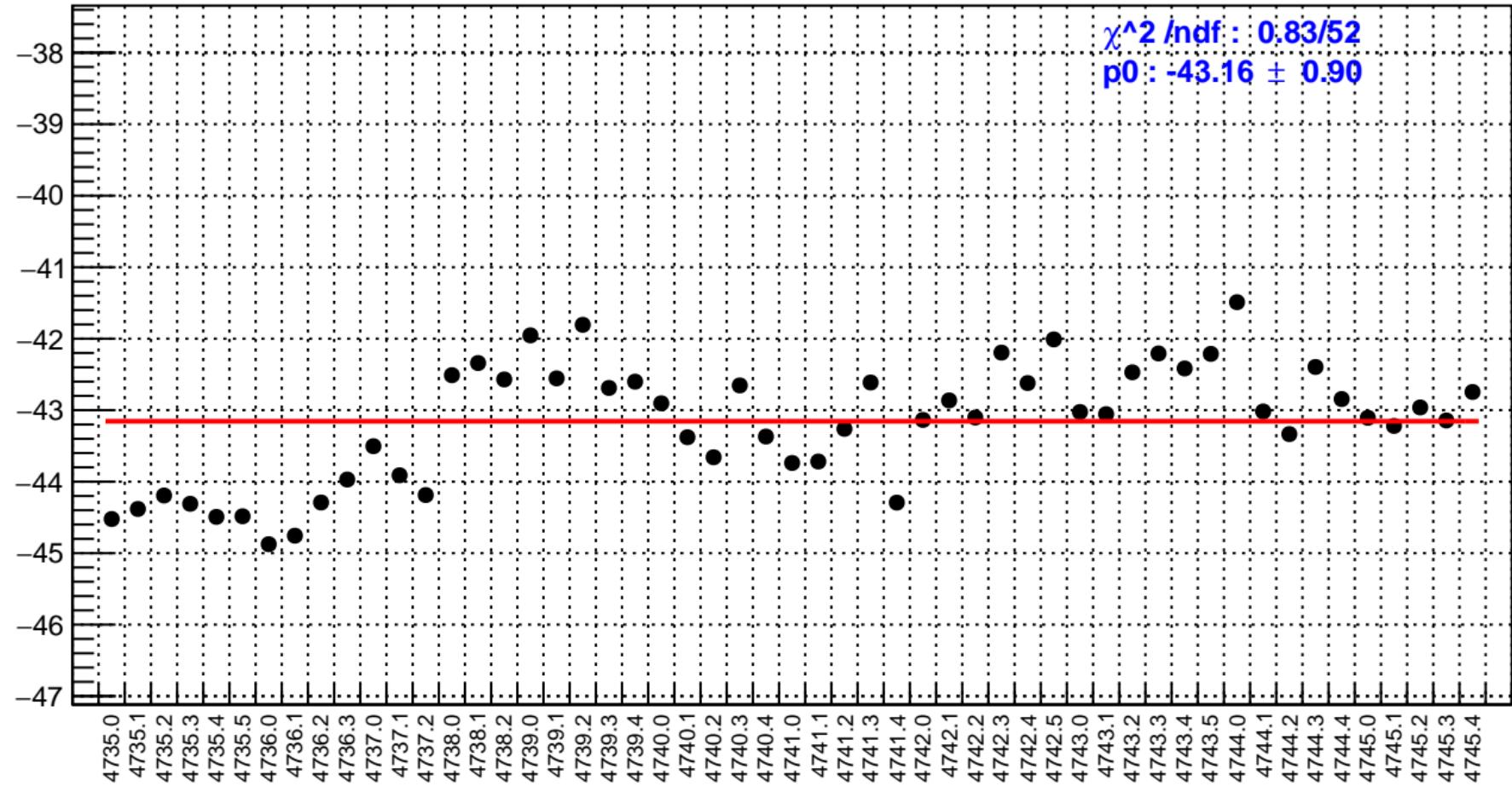
slug77: left_avg_bpm4eX(ppb/nm)



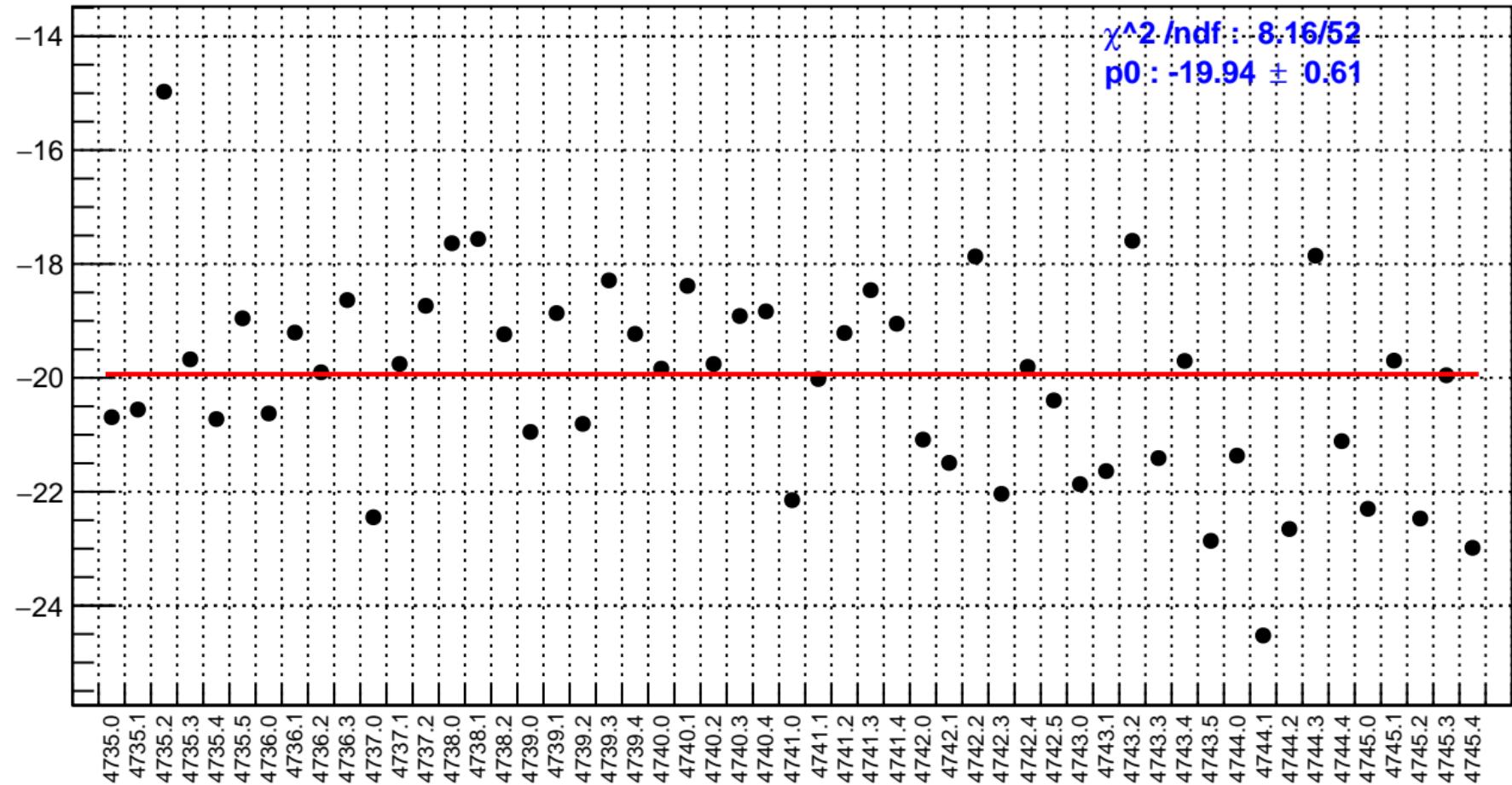
slug77: left_avg_bpm4eY/(ppb/nm)



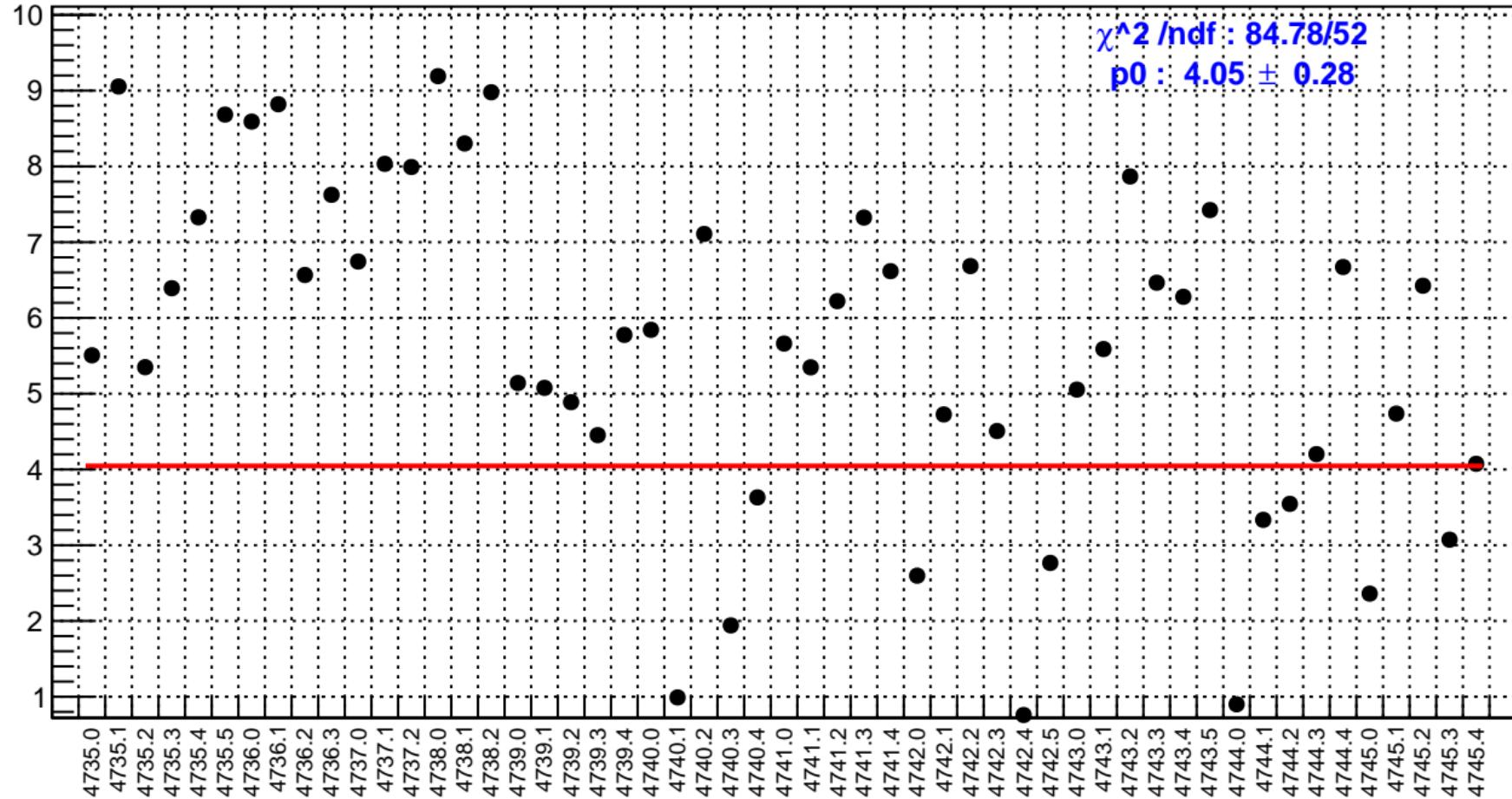
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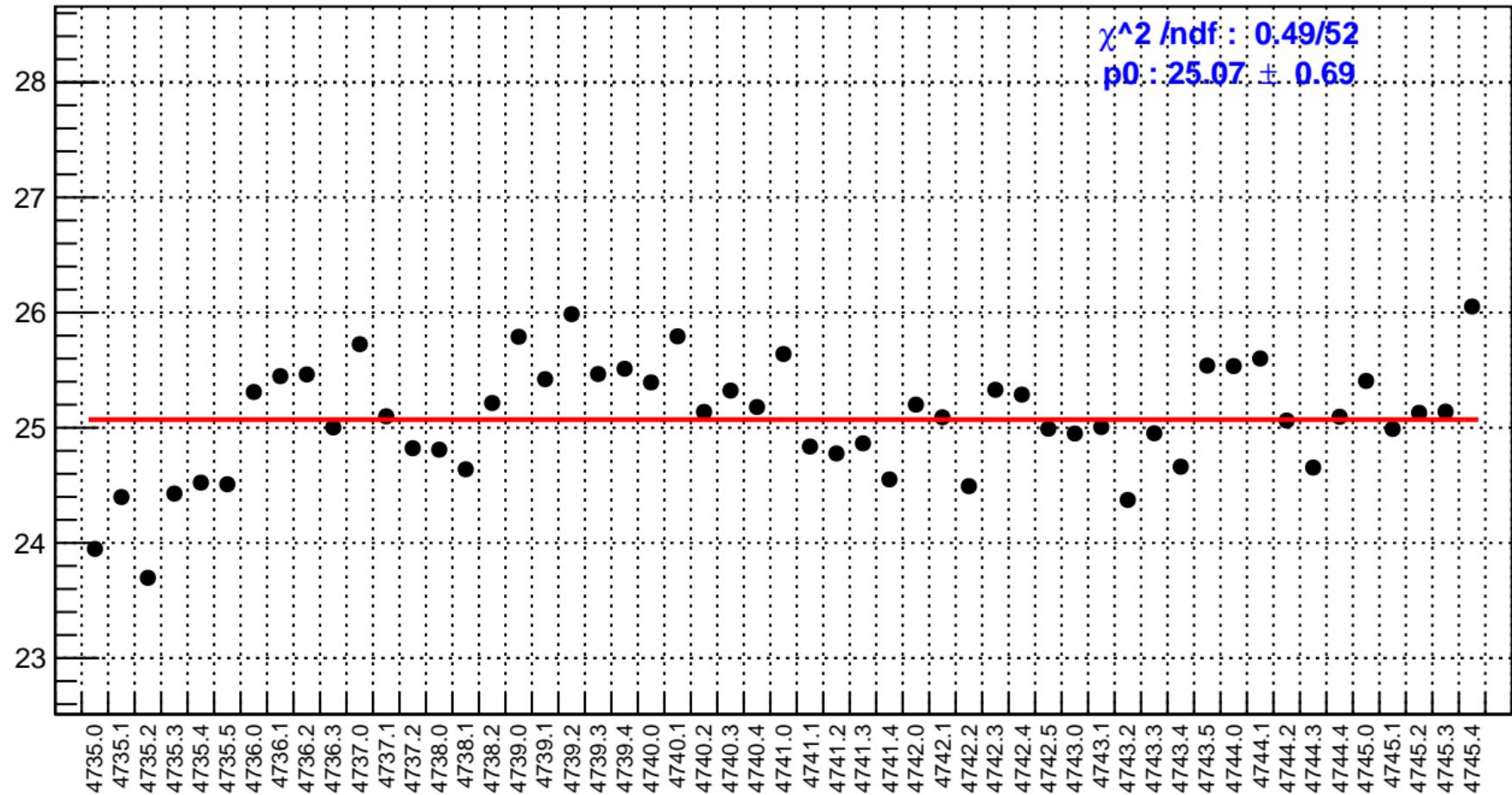
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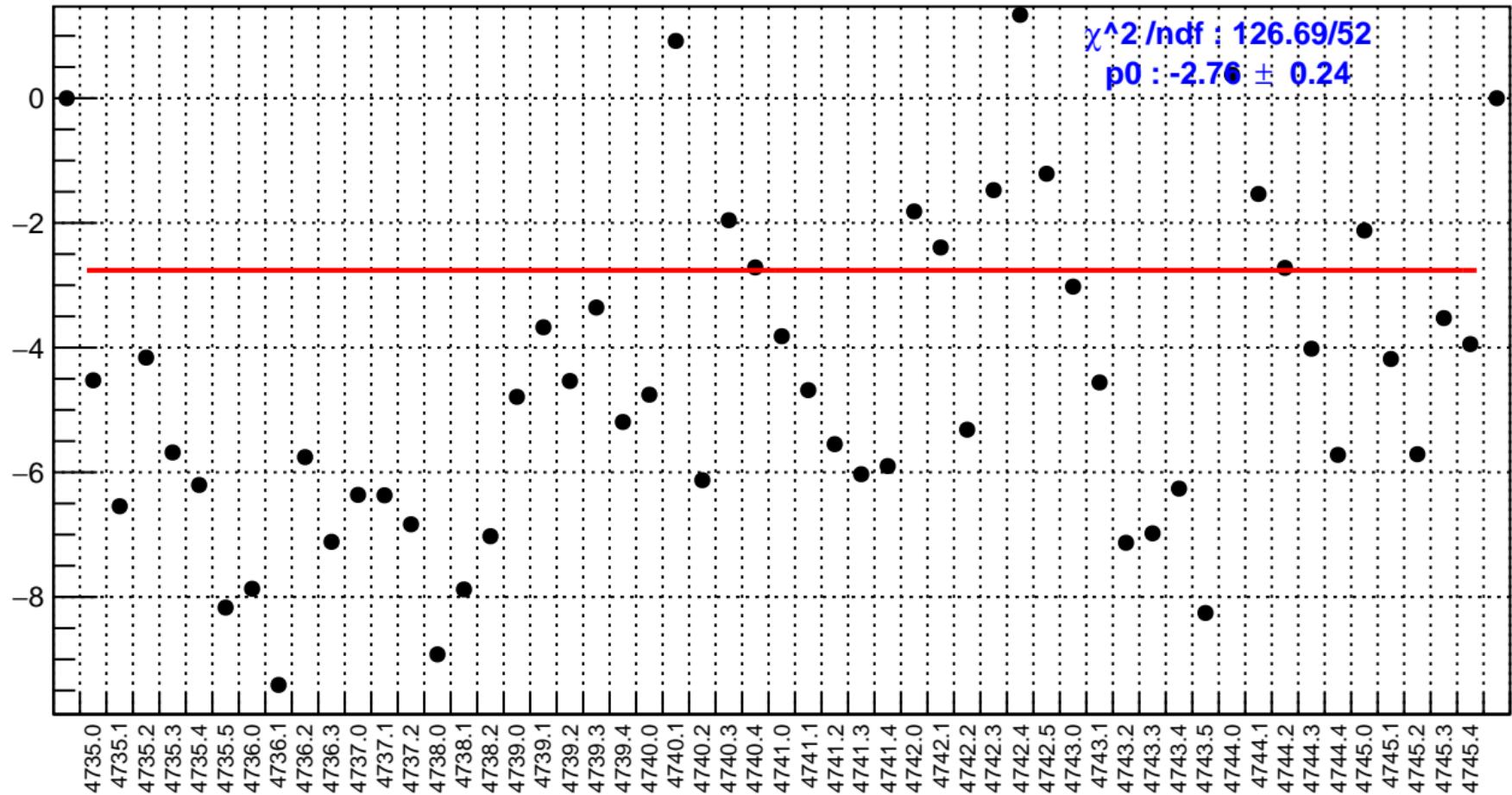
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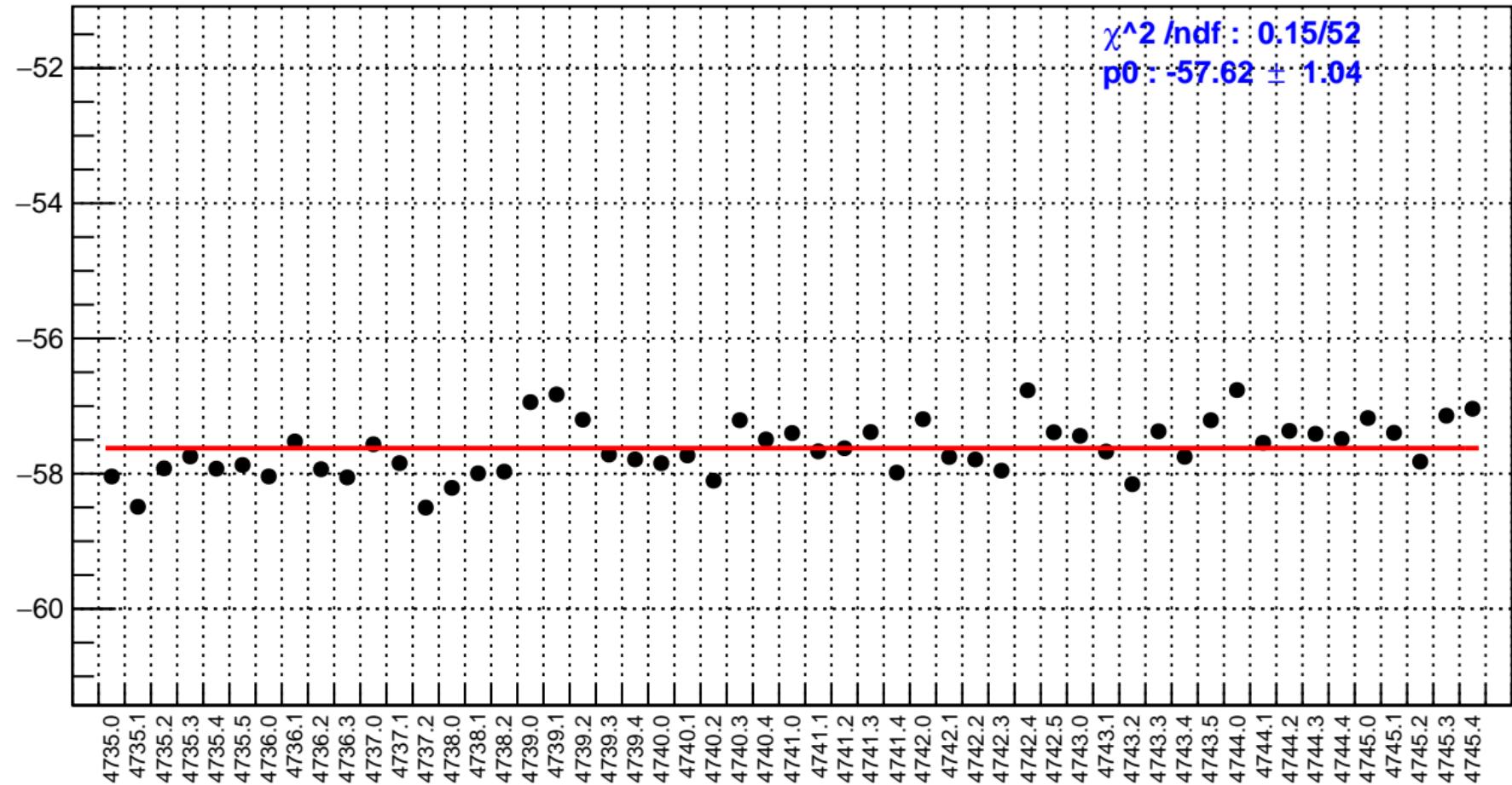
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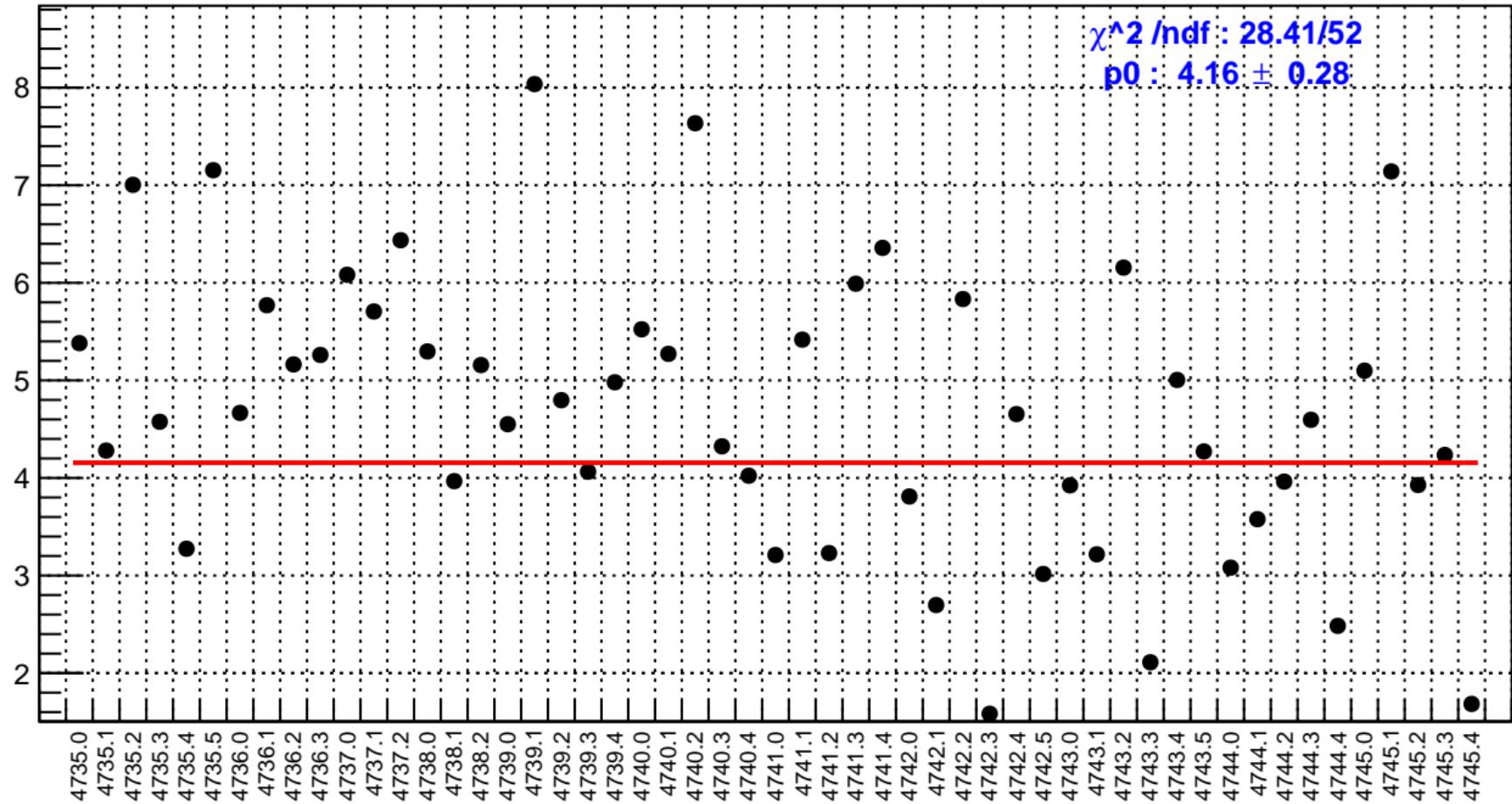
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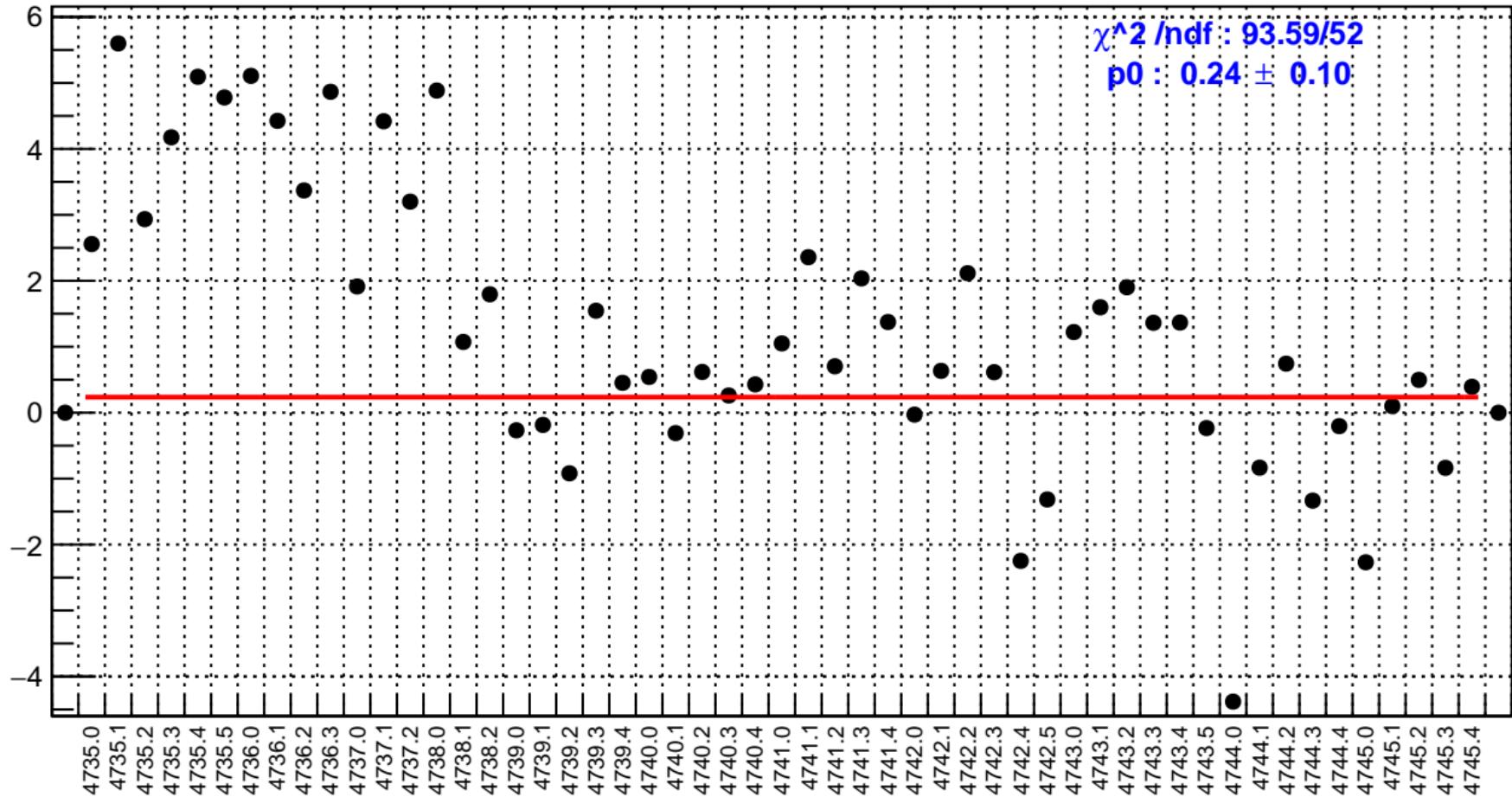
slug77: right_avg_bpm12X/(ppb/nm)



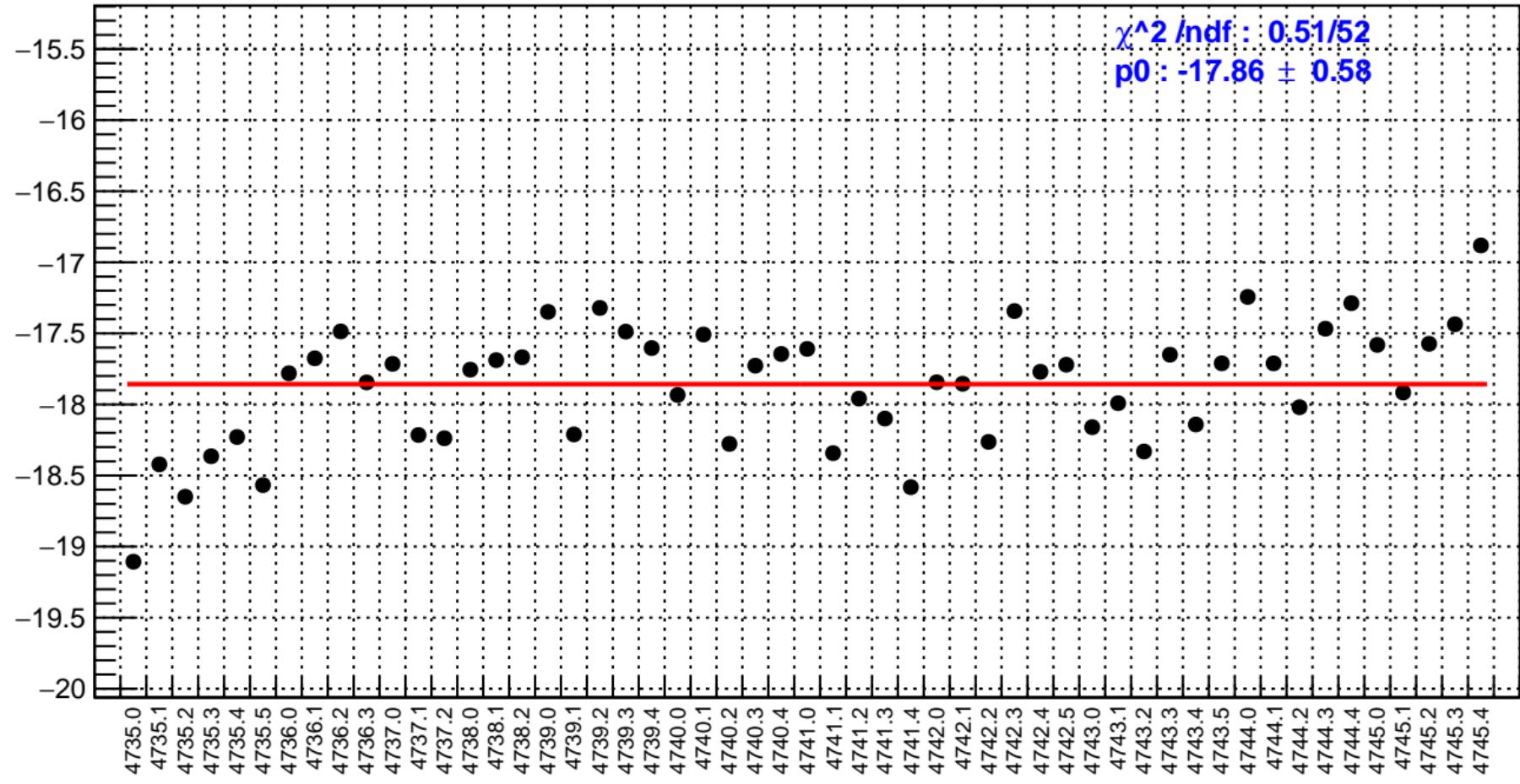
slug77: us_avg_bpm4aX/(ppb/nm)



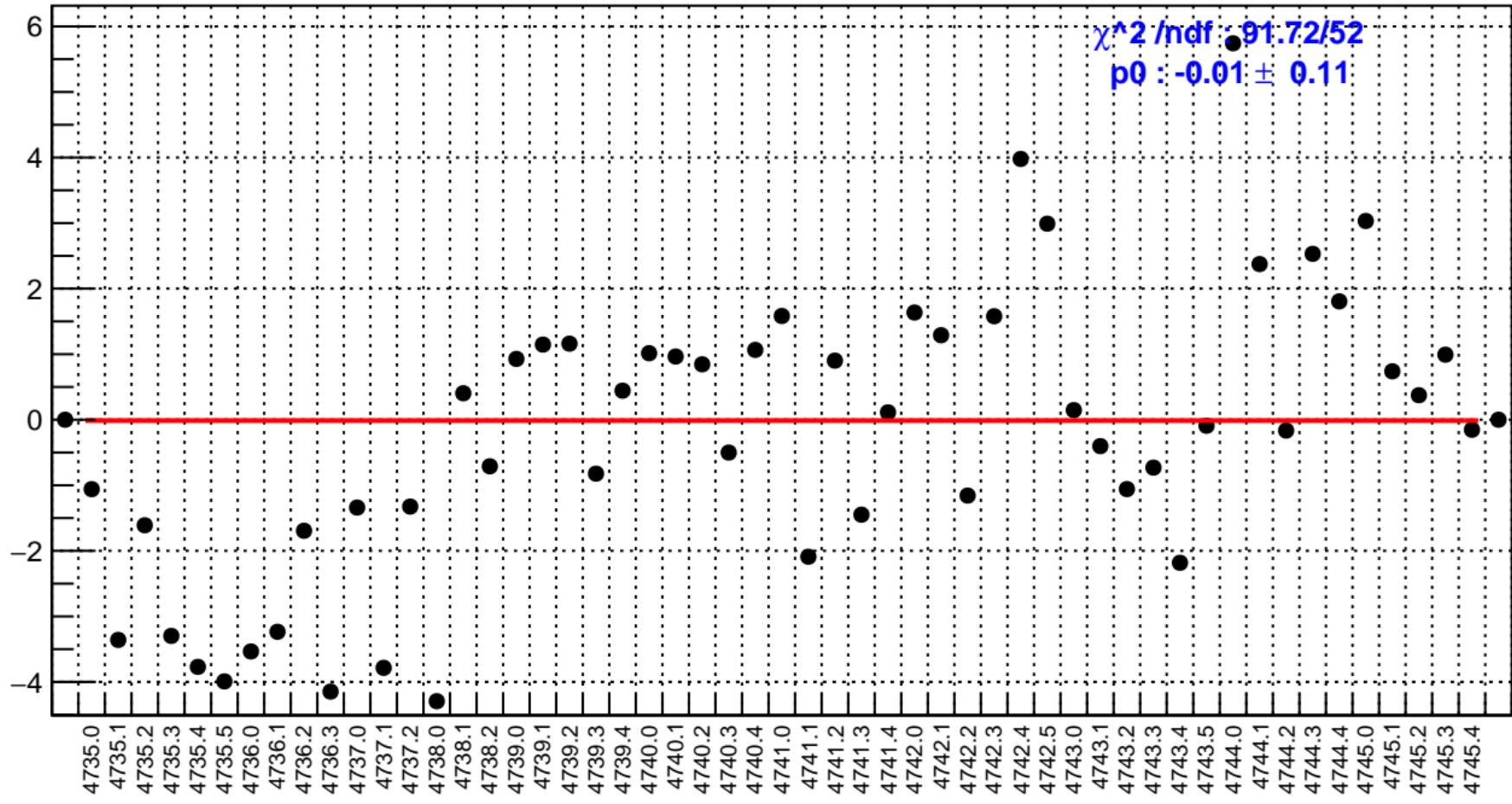
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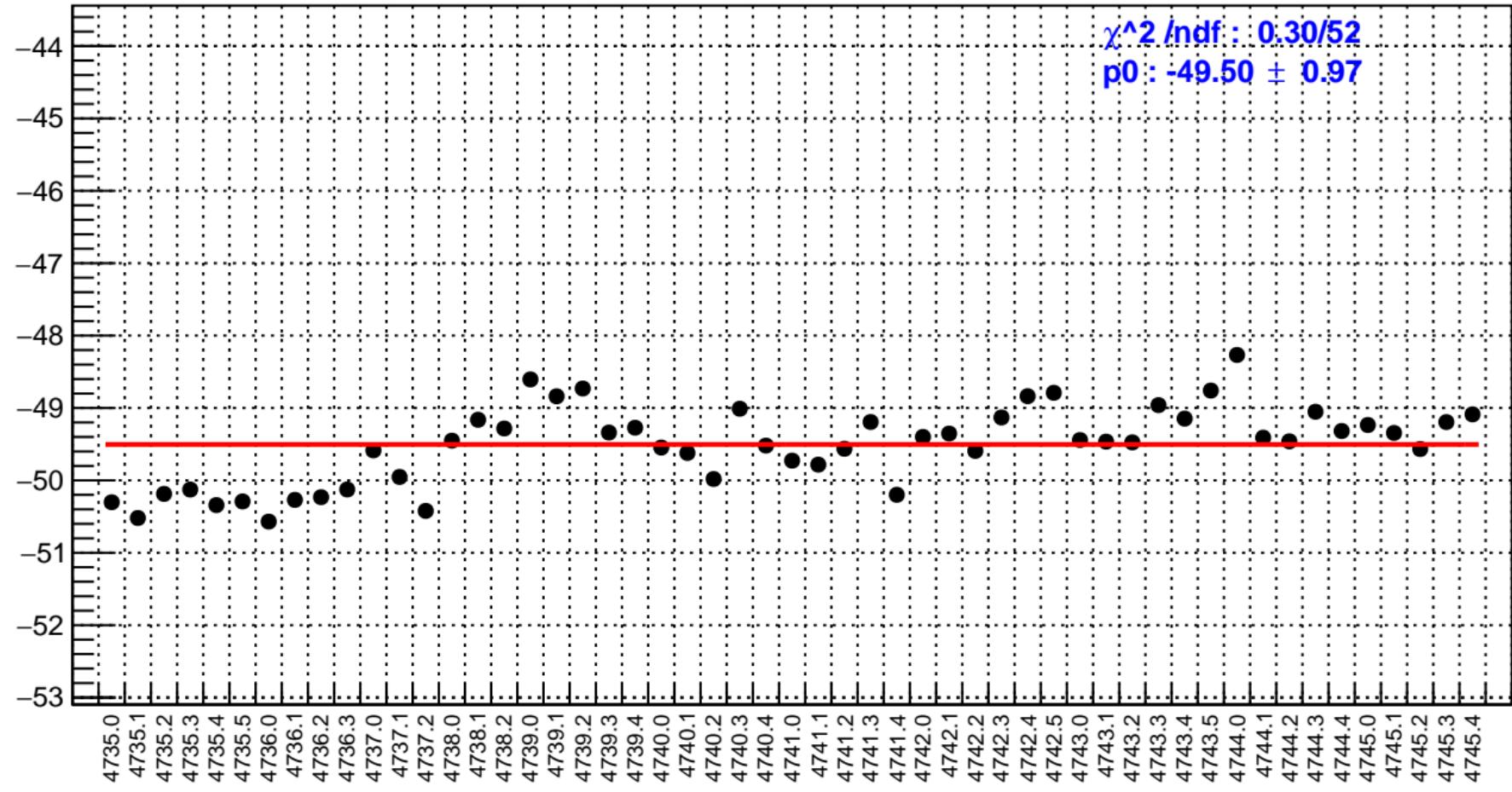
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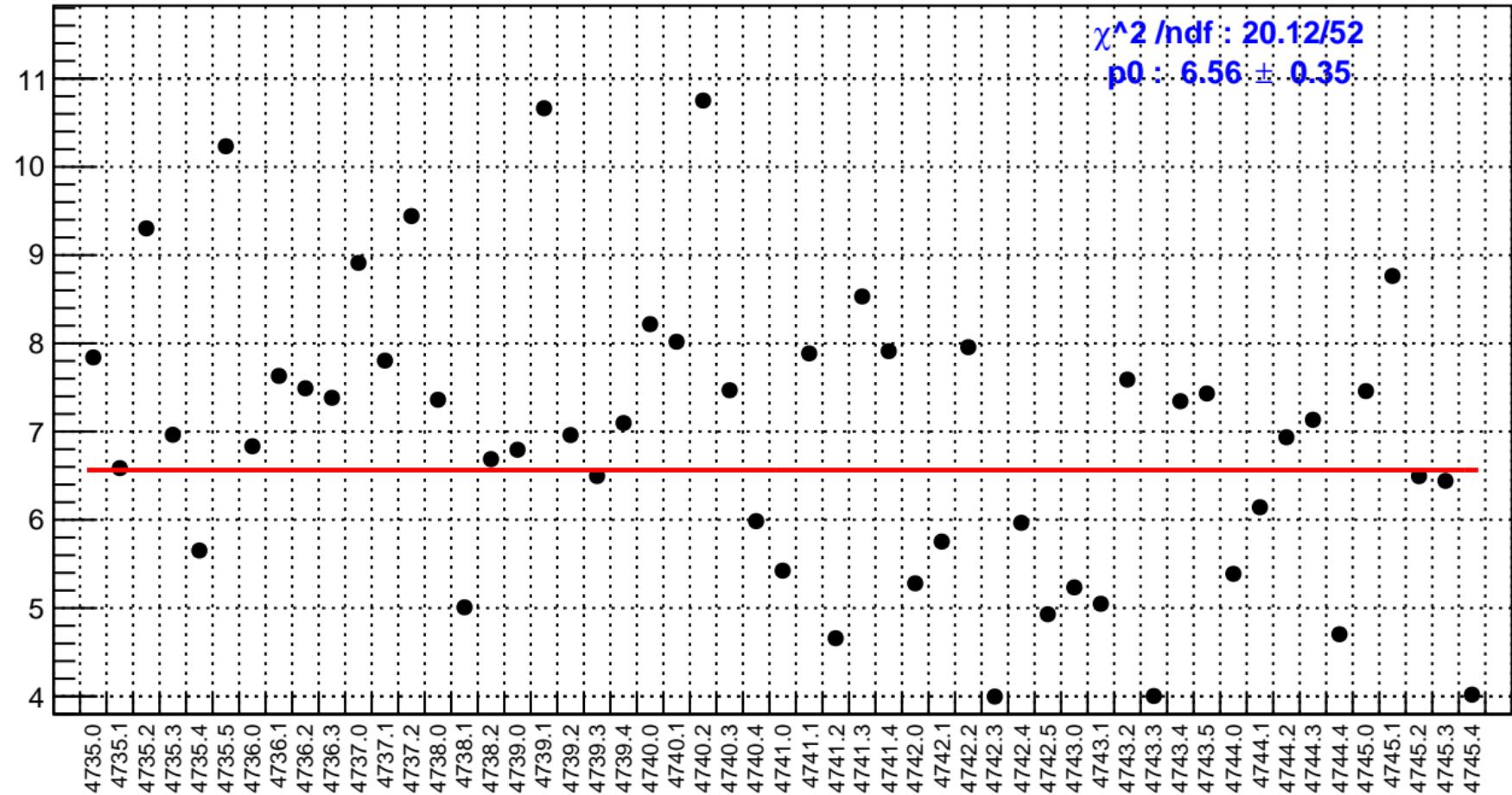
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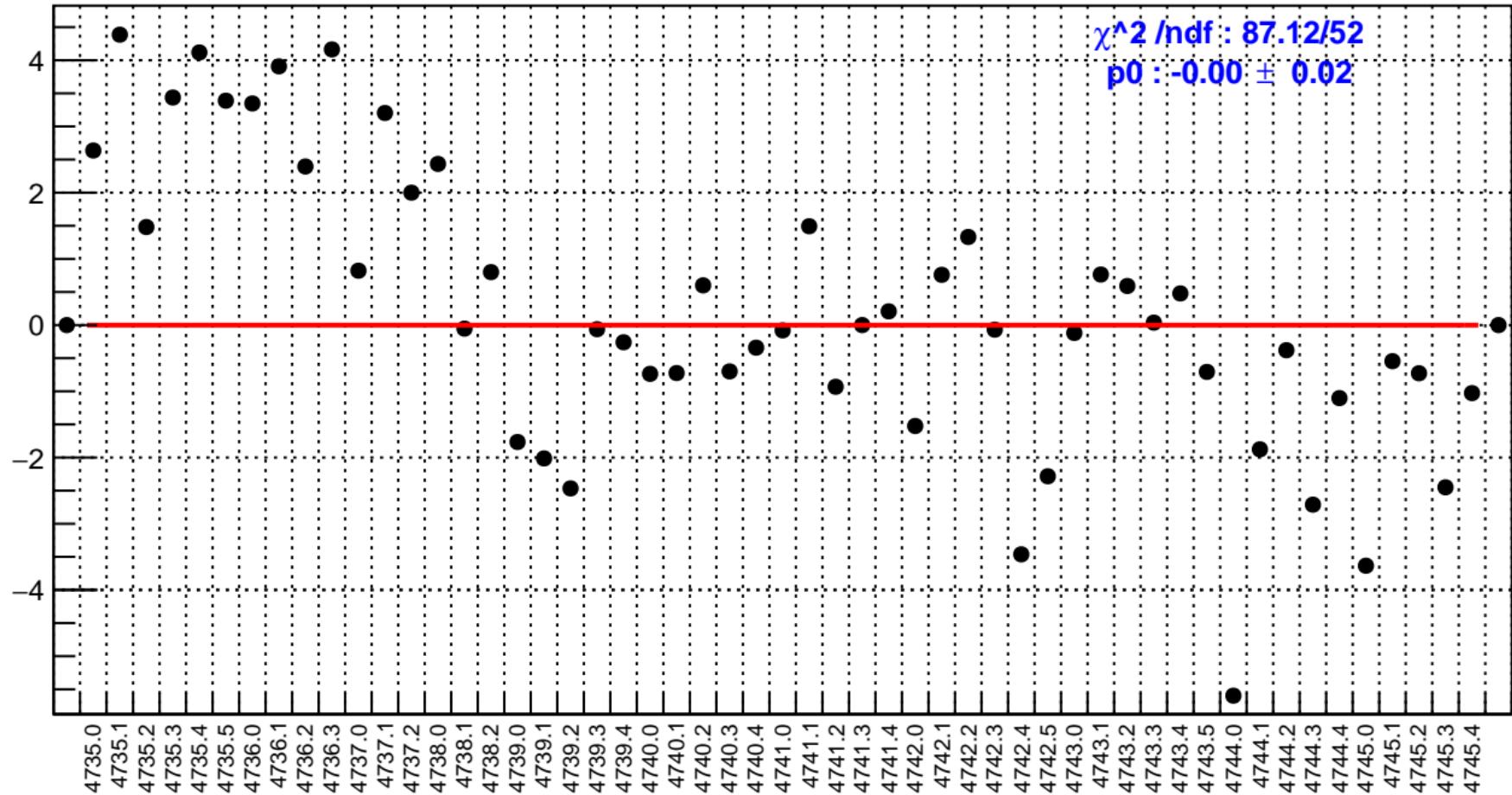
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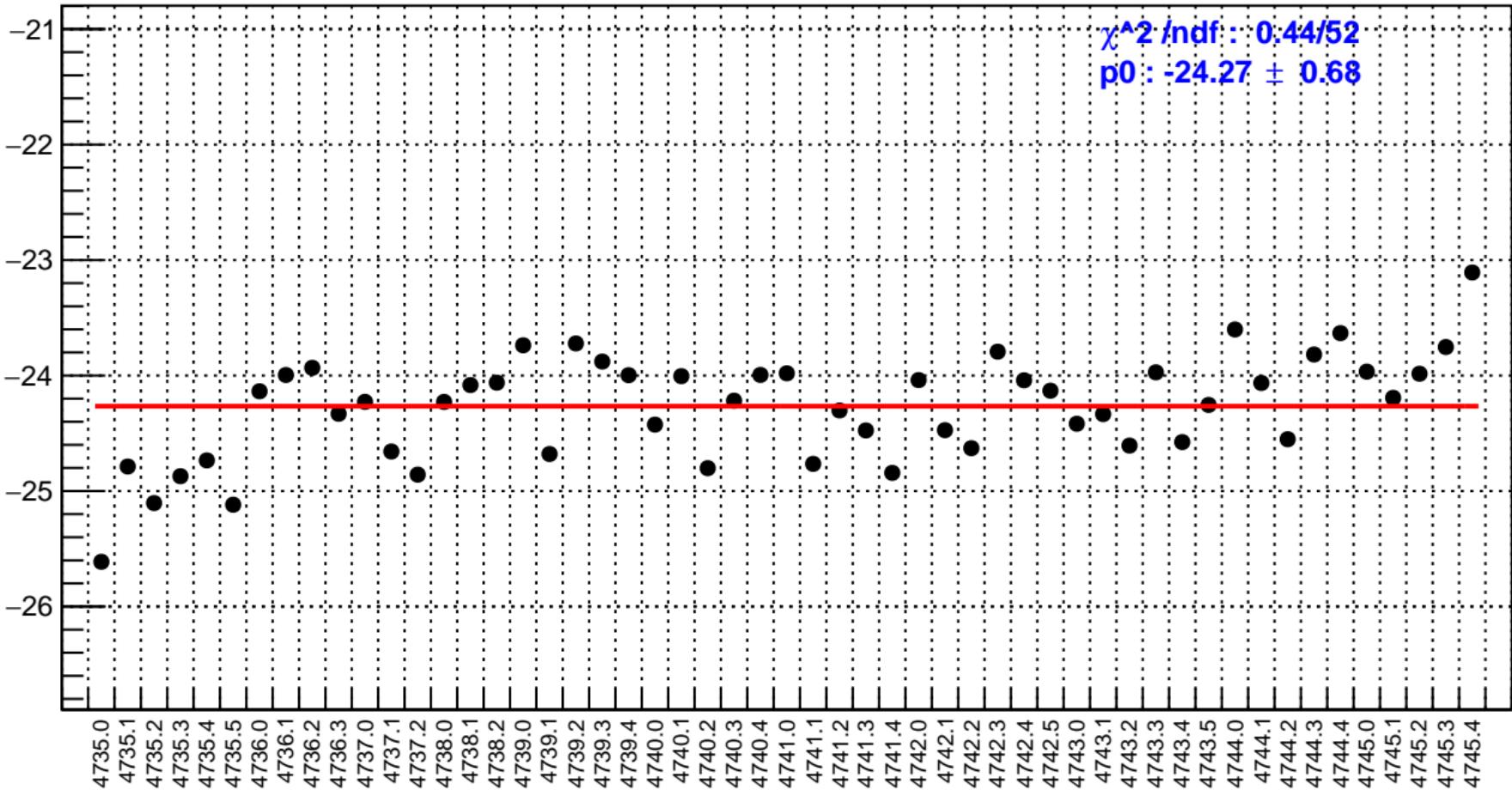
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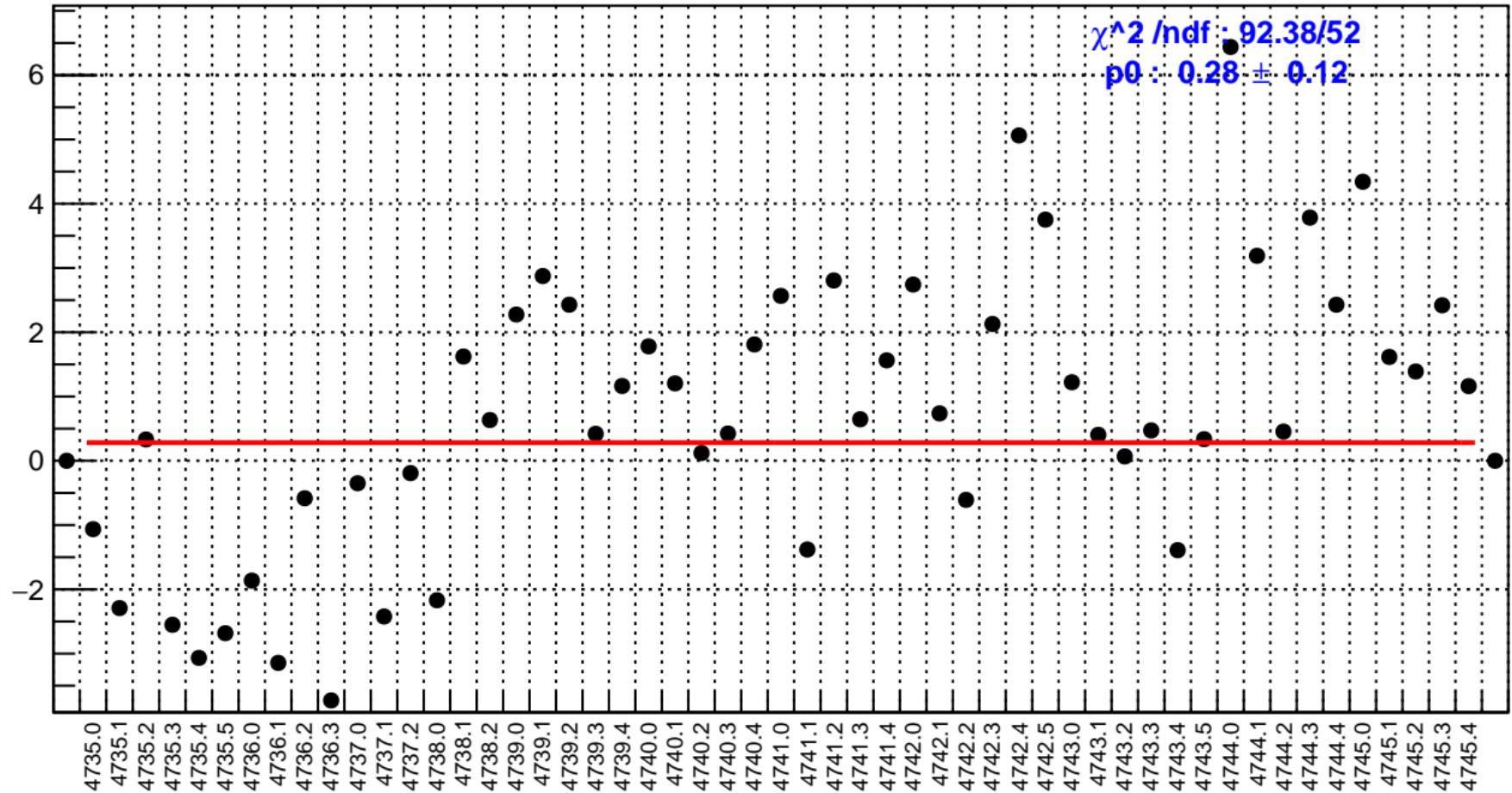
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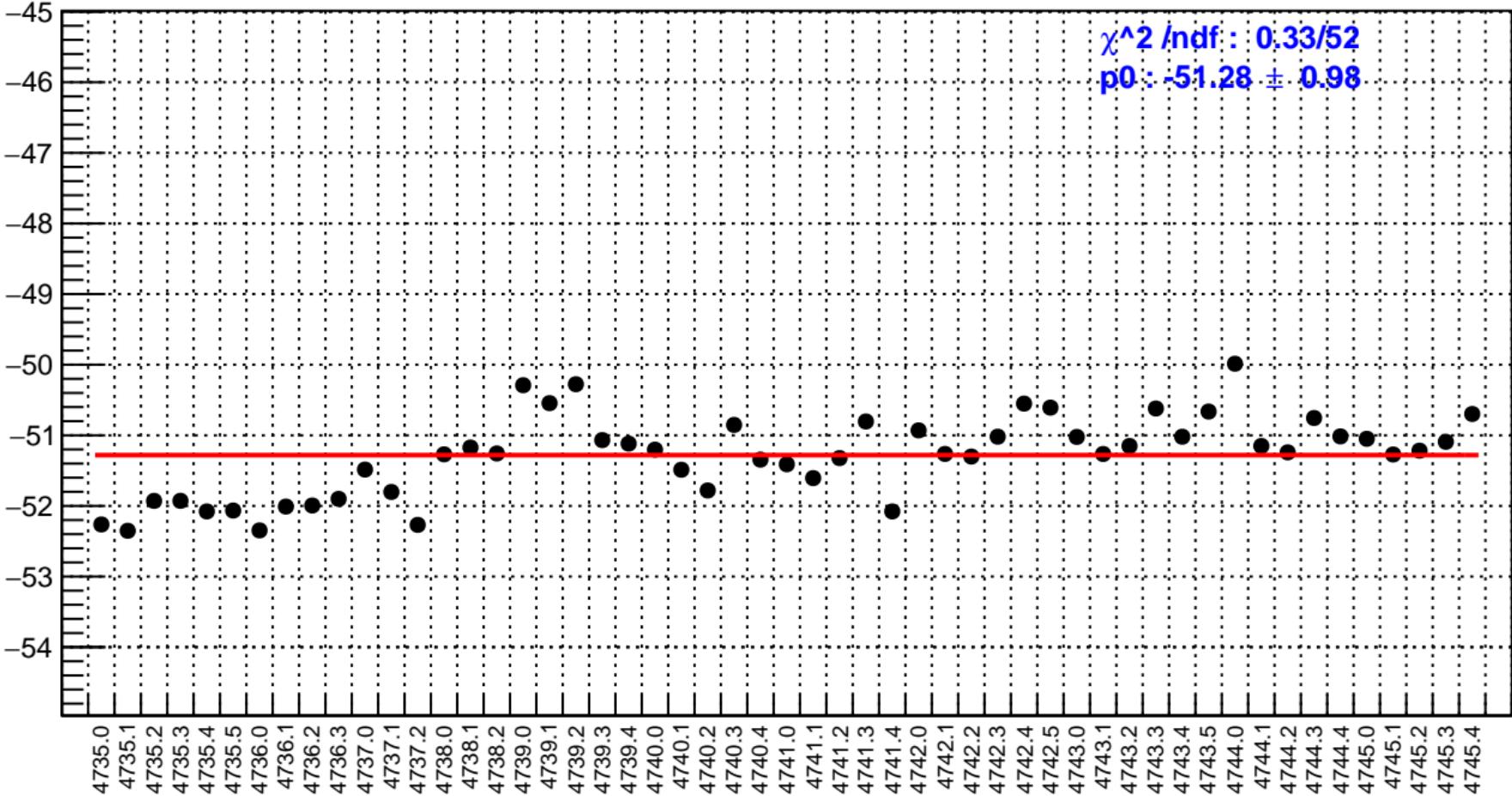
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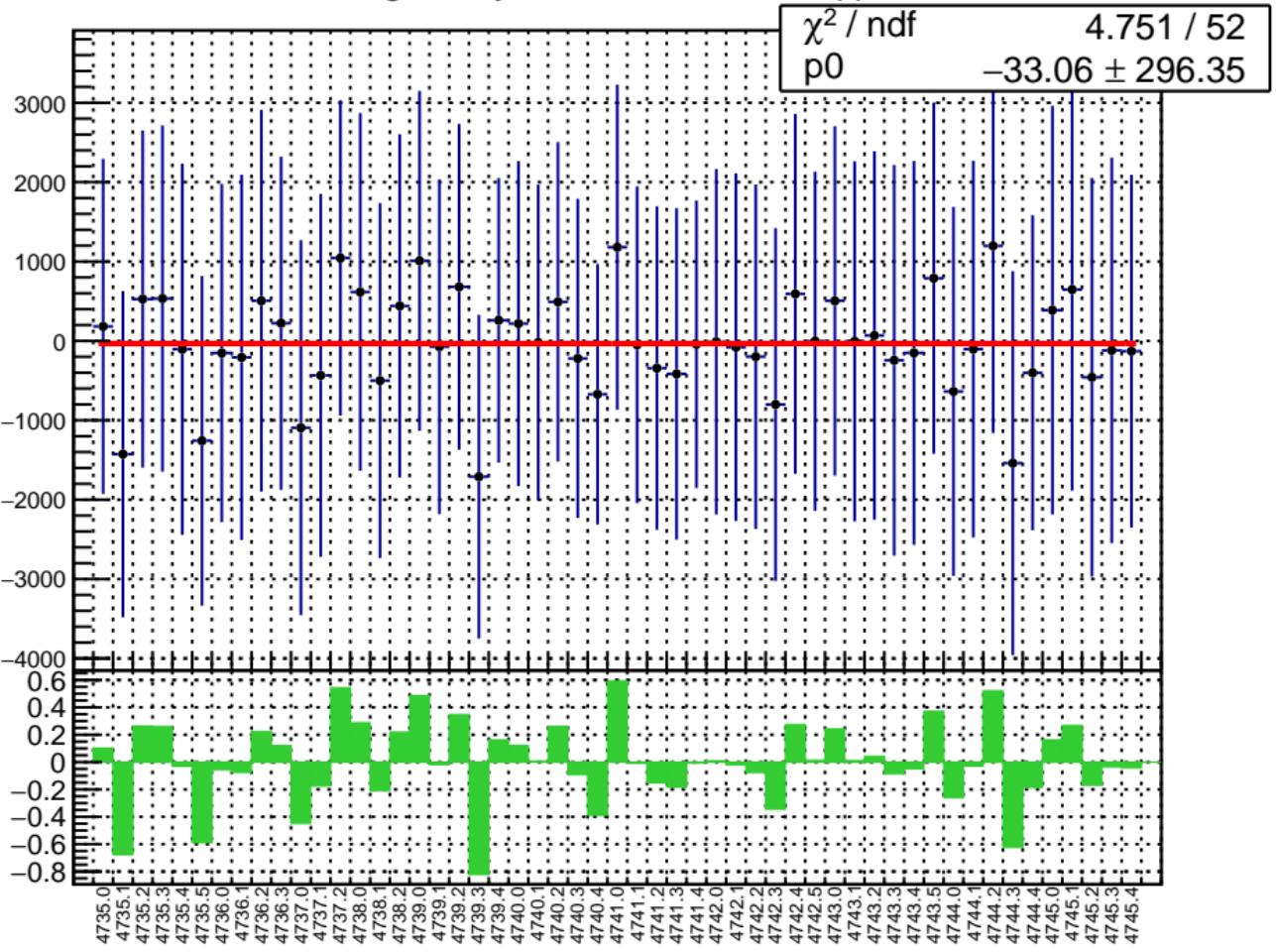
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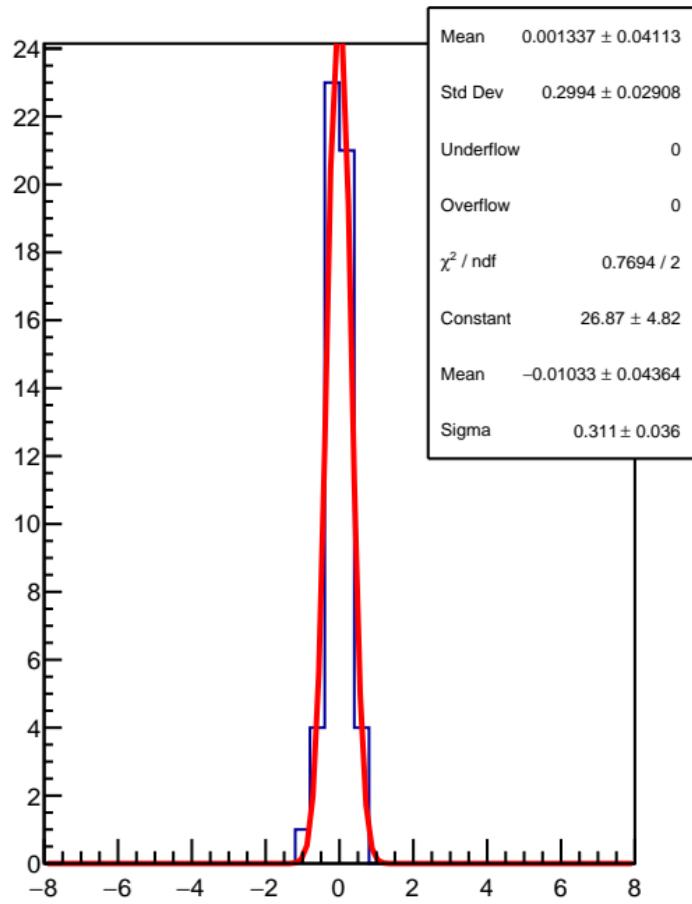
slug77: ds_avg_bpm12X/(ppb/nm)



slug77: asym_bcm_an_ds.mean/ppb

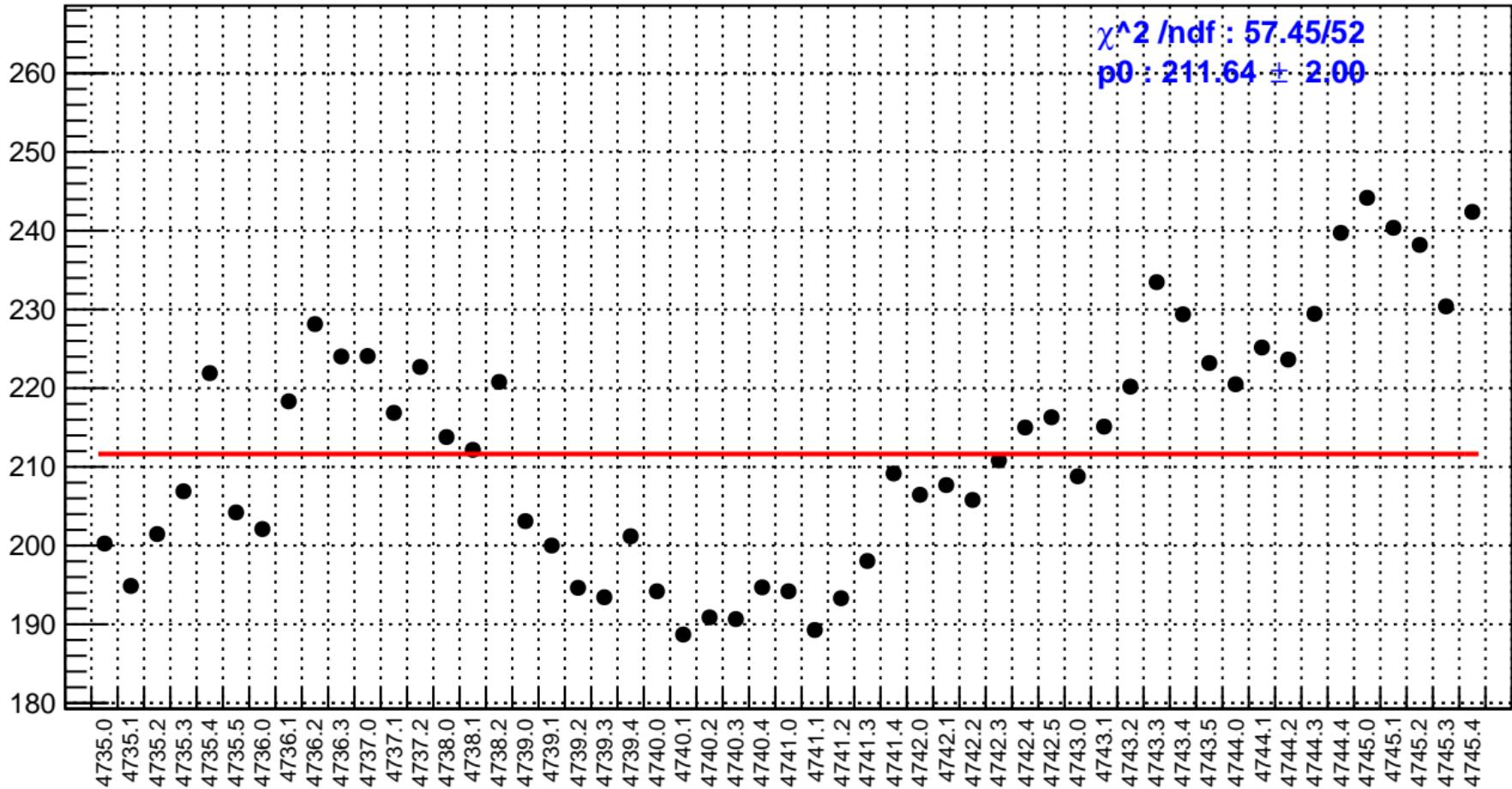


1D pull distribution

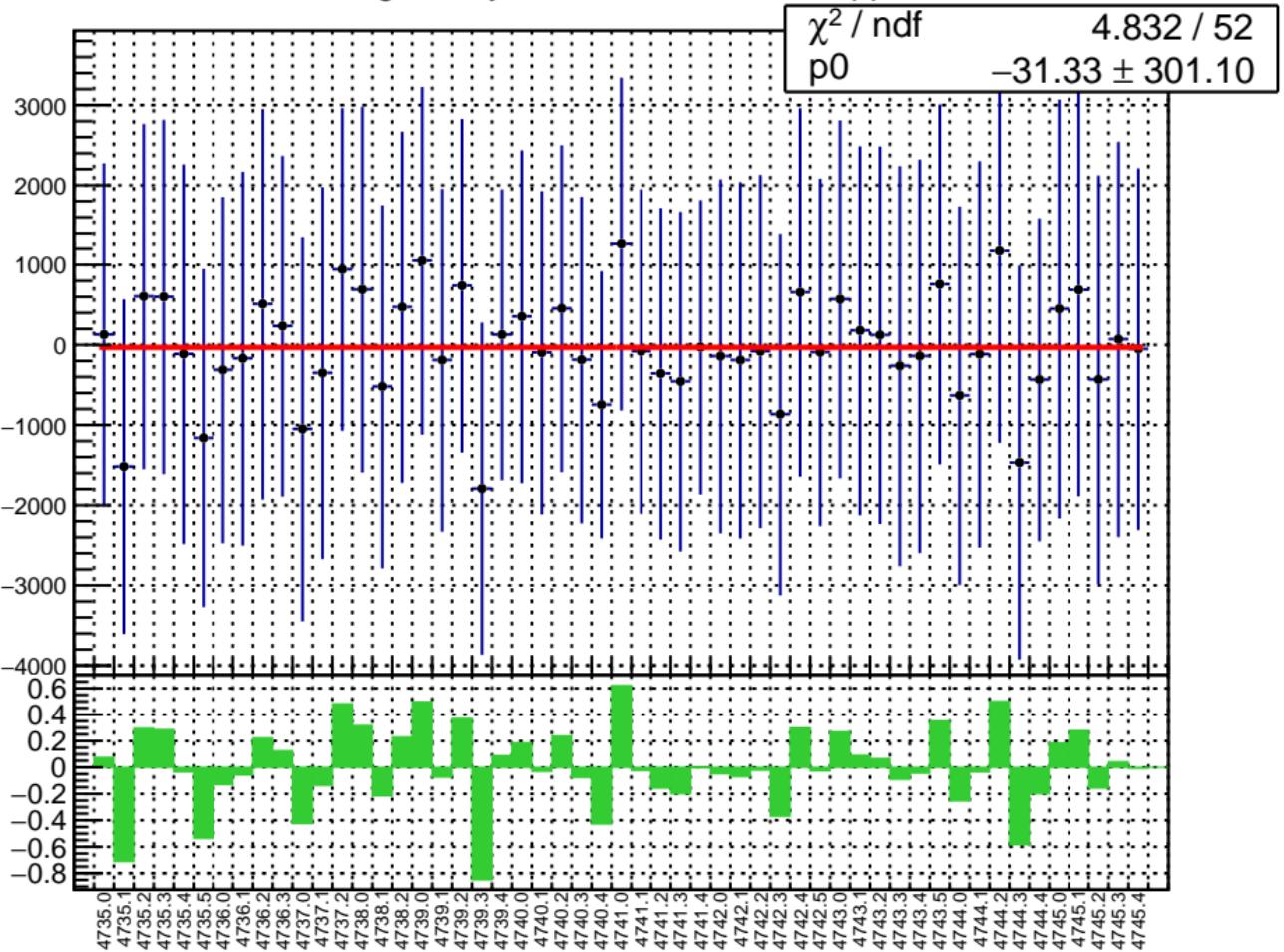


slug77: asym_bcm_an_ds.rms/ppm

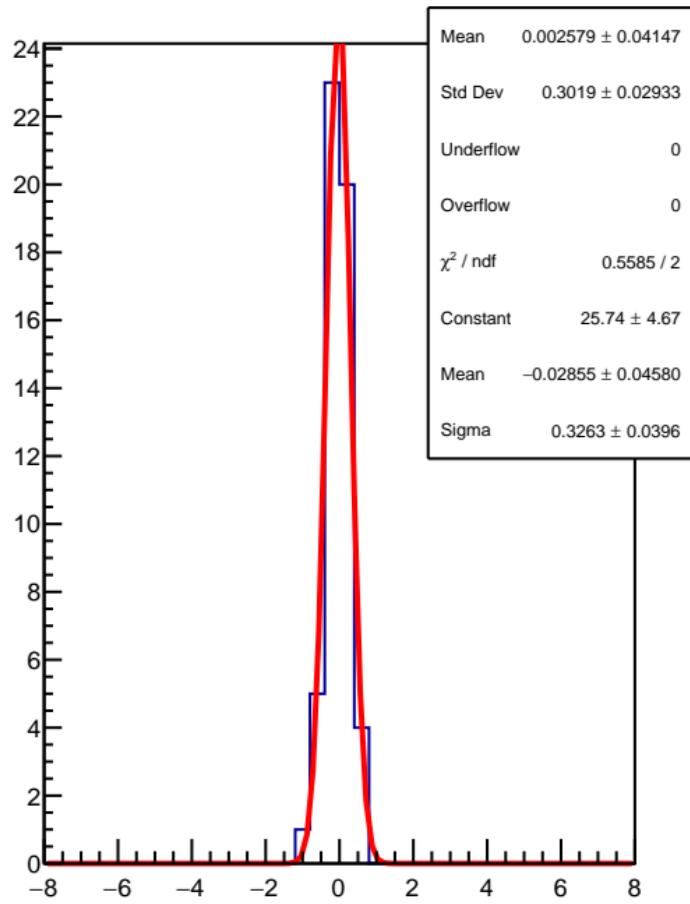
$\chi^2 / \text{ndf} : 57.45/52$
 $p0 : 211.64 \pm 2.00$



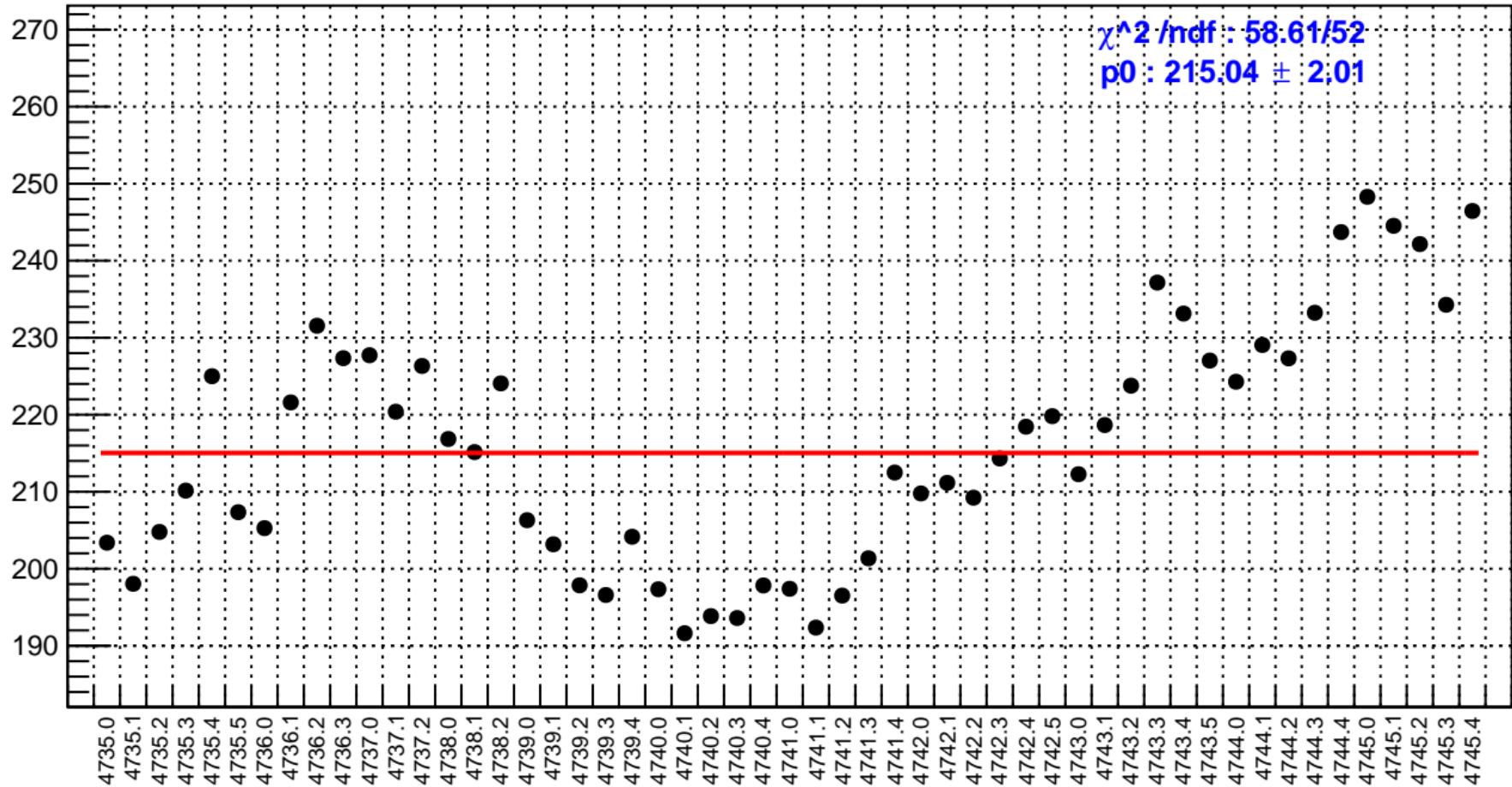
slug77: asym_bcm_an_ds3.mean/ppb



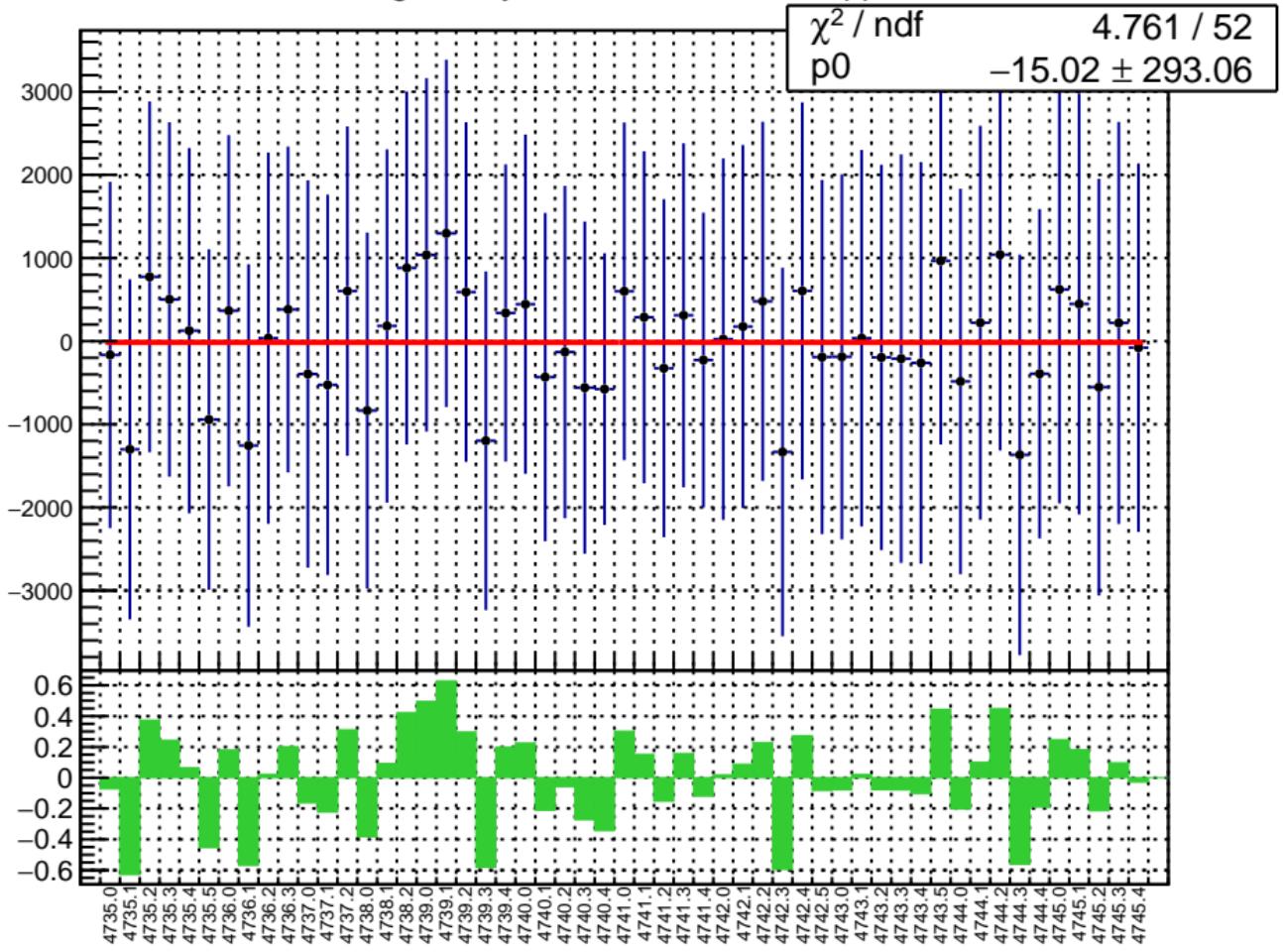
1D pull distribution



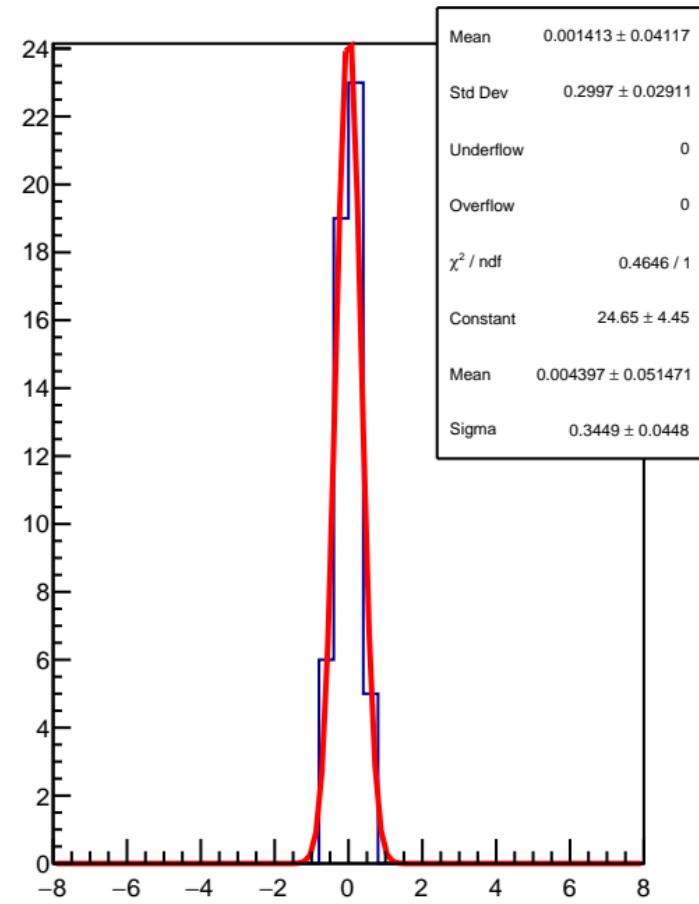
slug77: asym_bcm_an_ds3.rms/ppm



slug77: asym_bcm_an_us.mean/ppb

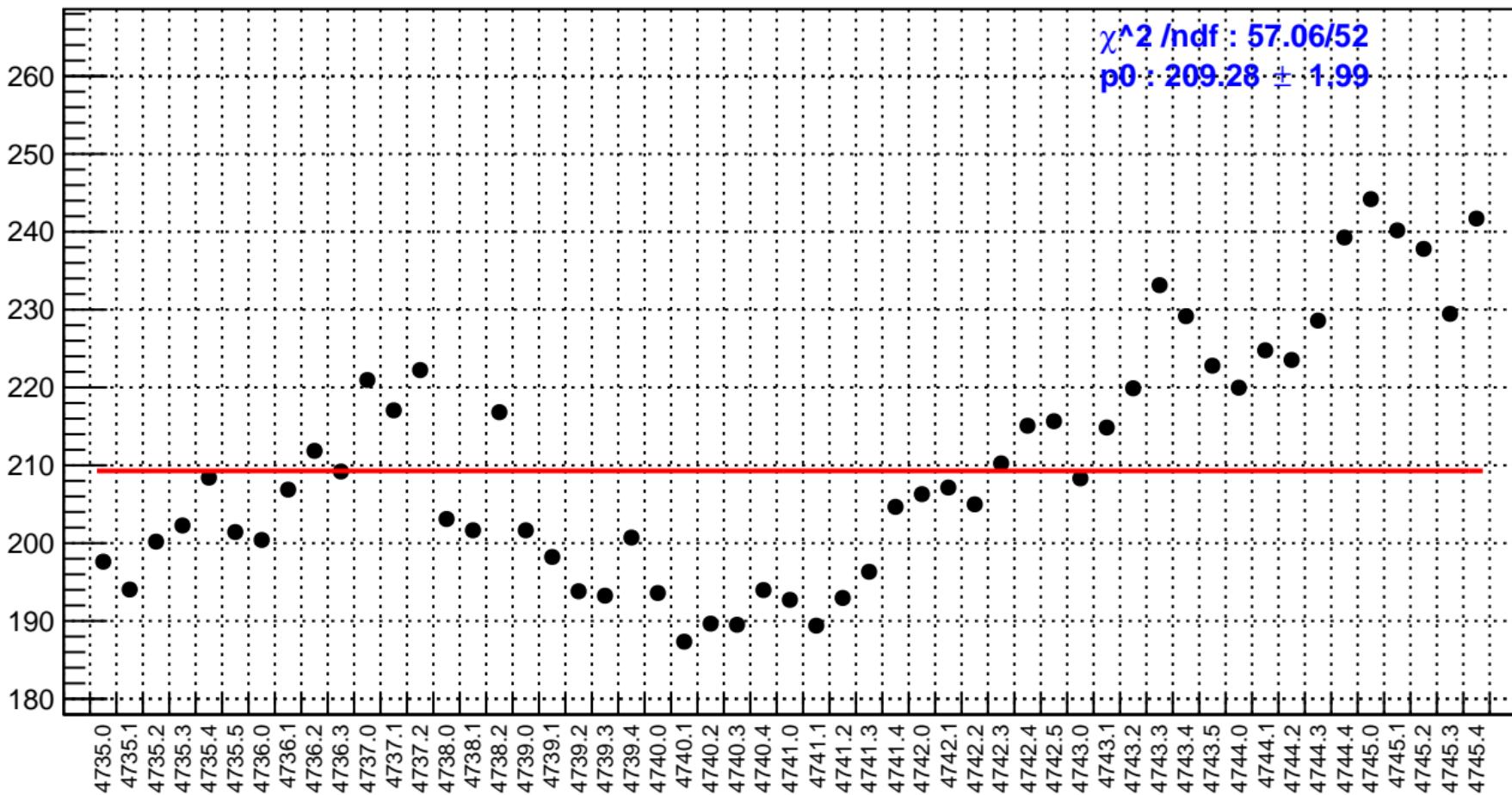


1D pull distribution

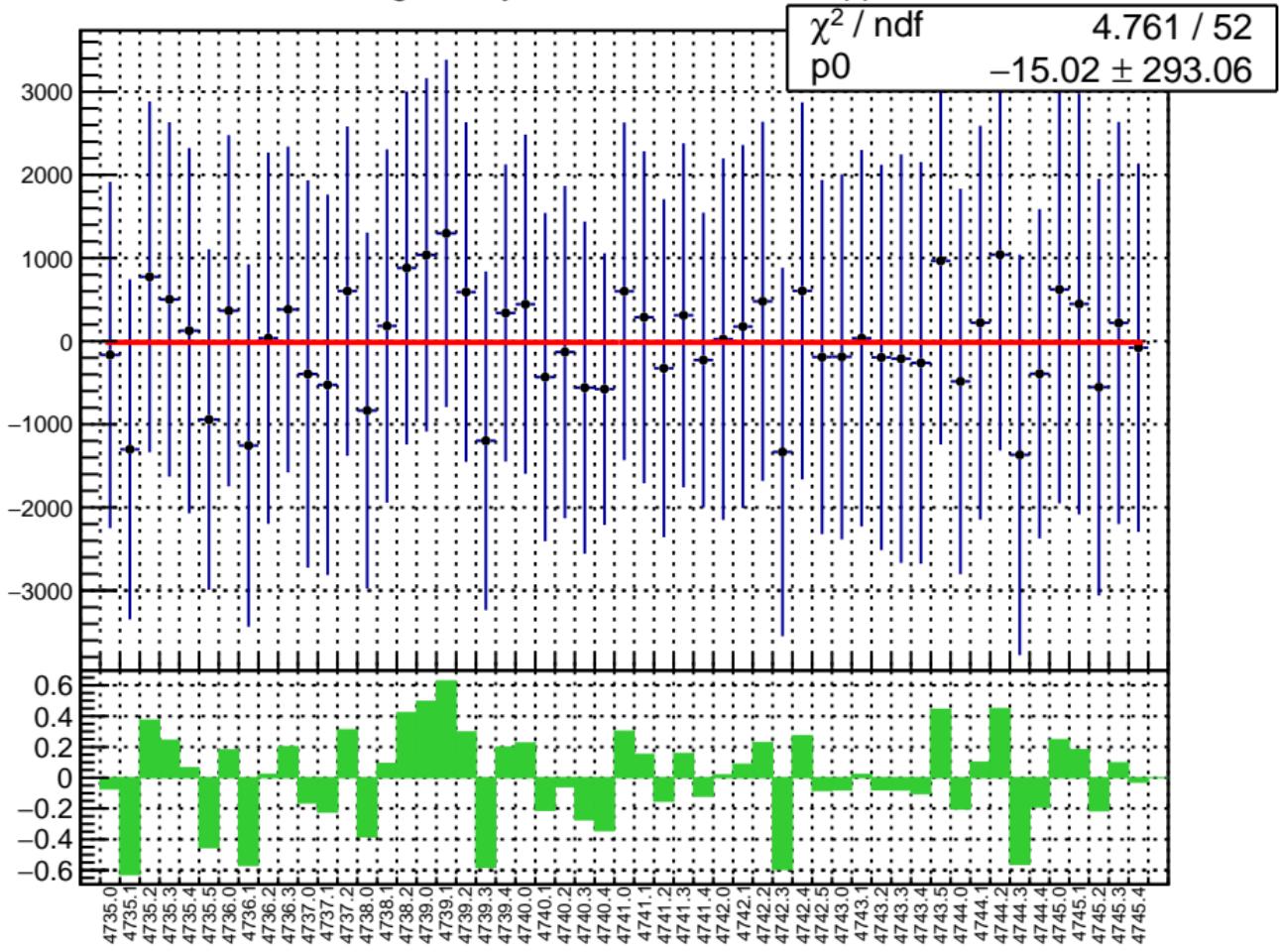


slug77: asym_bcm_an_us.rms/ppm

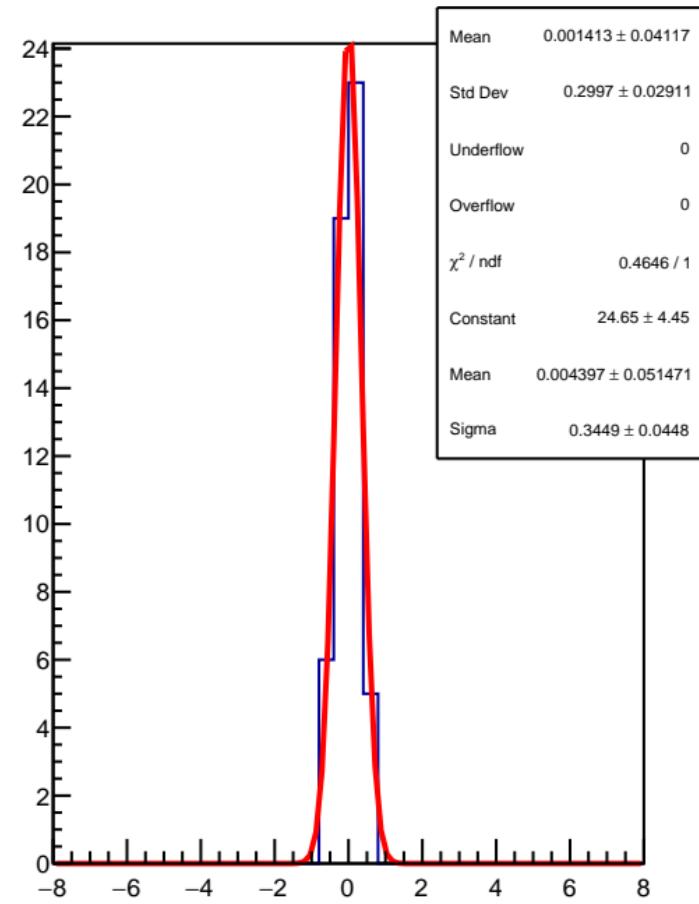
$\chi^2 / \text{ndf} : 57.06 / 52$
 $p0 : 209.28 \pm 1.99$



slug77: asym_bcm_an_us.mean/ppb

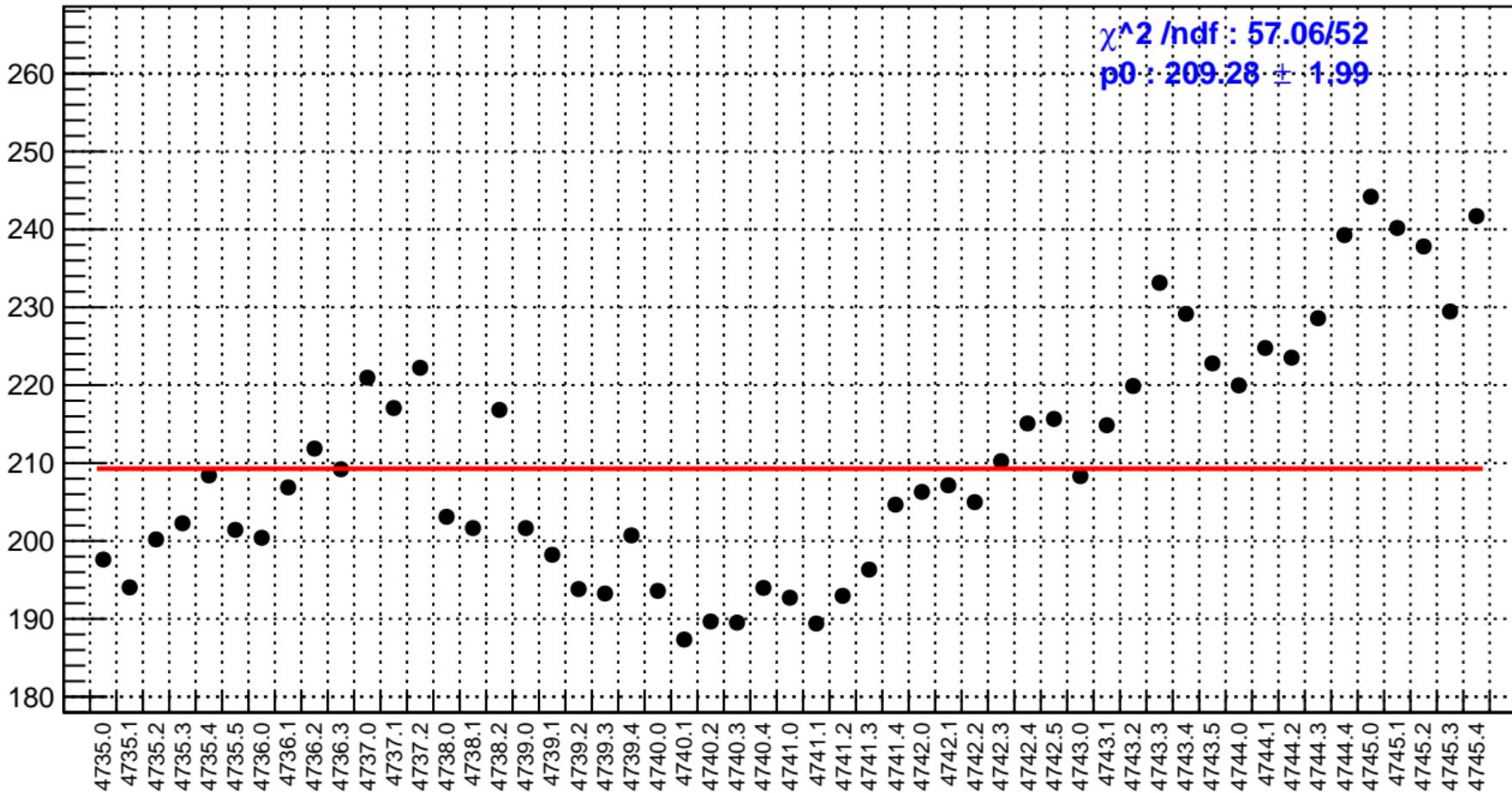


1D pull distribution

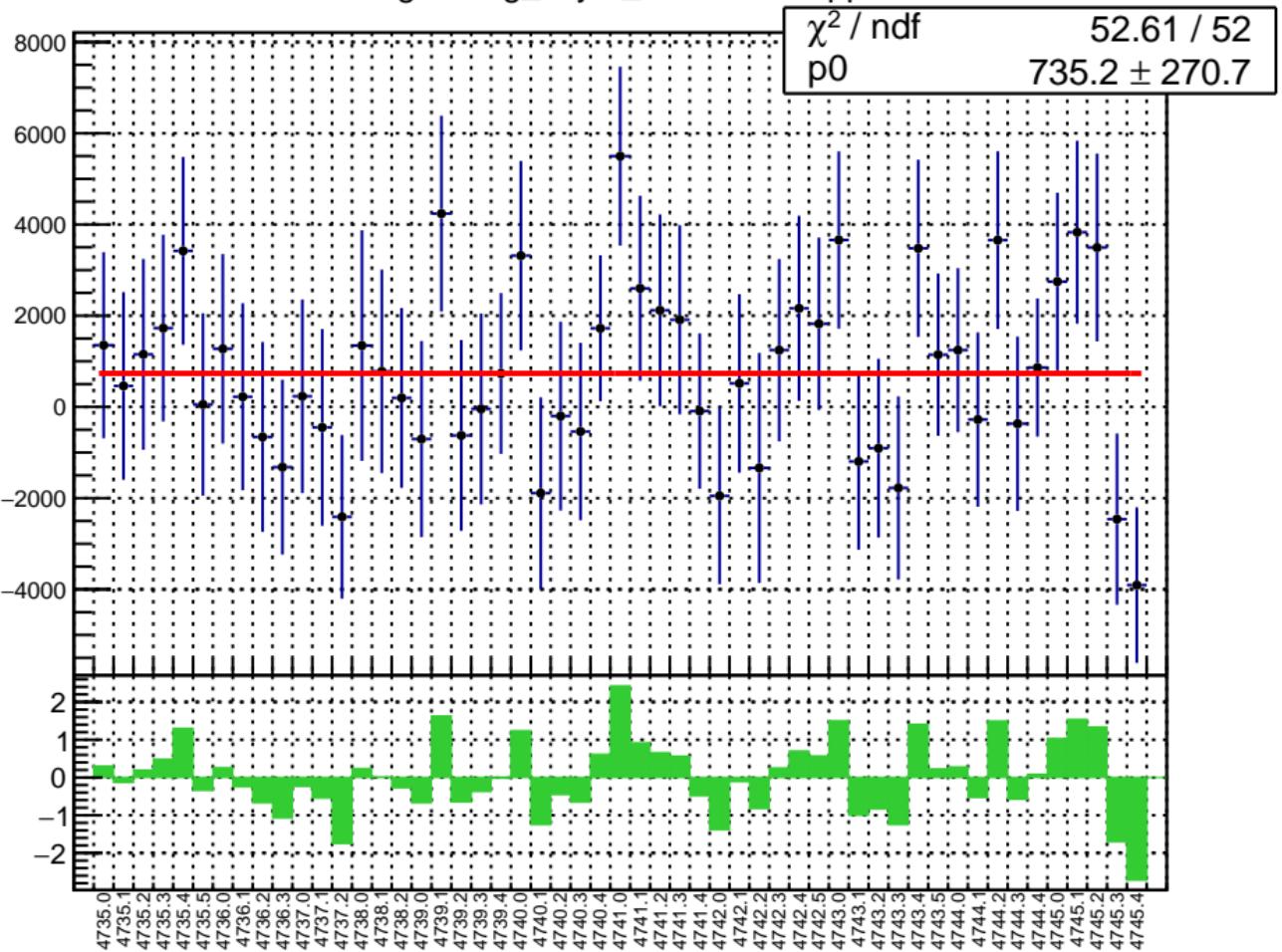


slug77: asym_bcm_an_us.rms/ppm

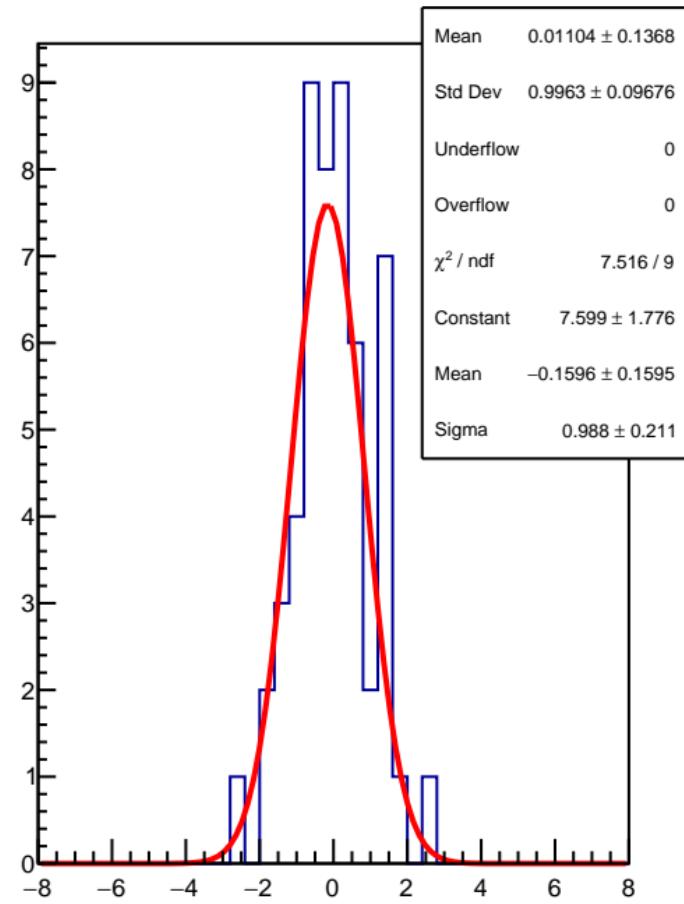
$\chi^2 / \text{ndf} : 57.06 / 52$
 $p0 : 209.28 \pm 1.99$



slug77: reg_asym_sam1.mean/ppb

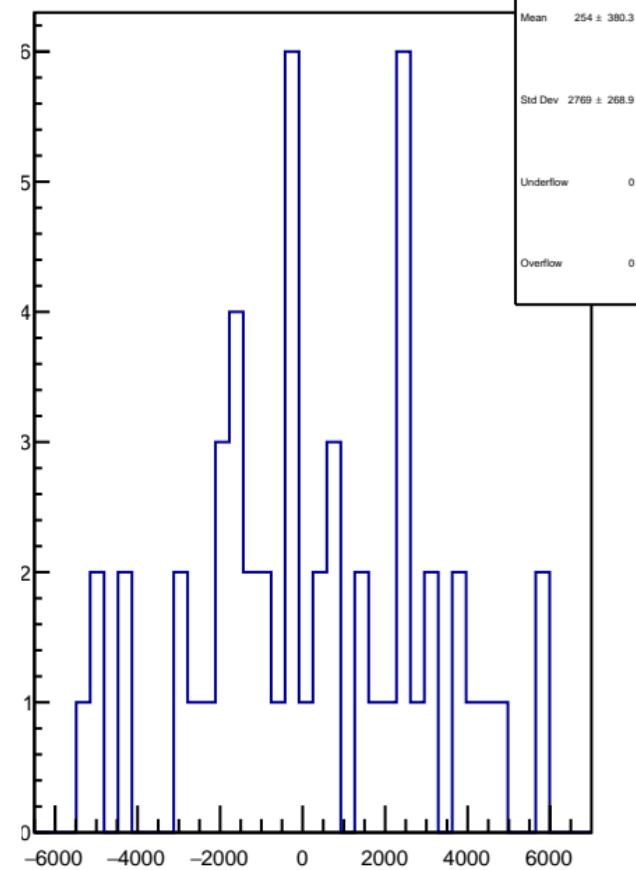
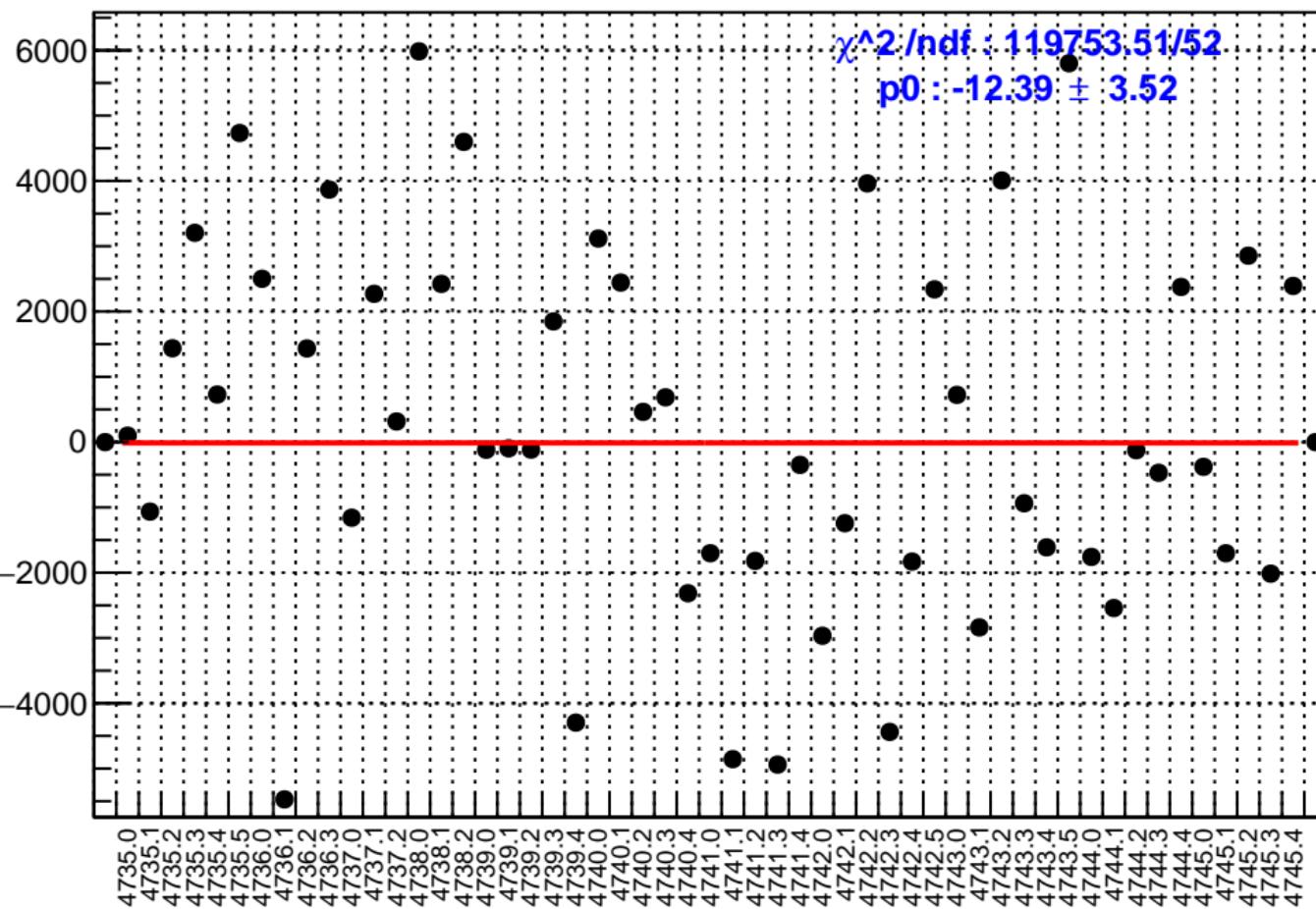


1D pull distribution

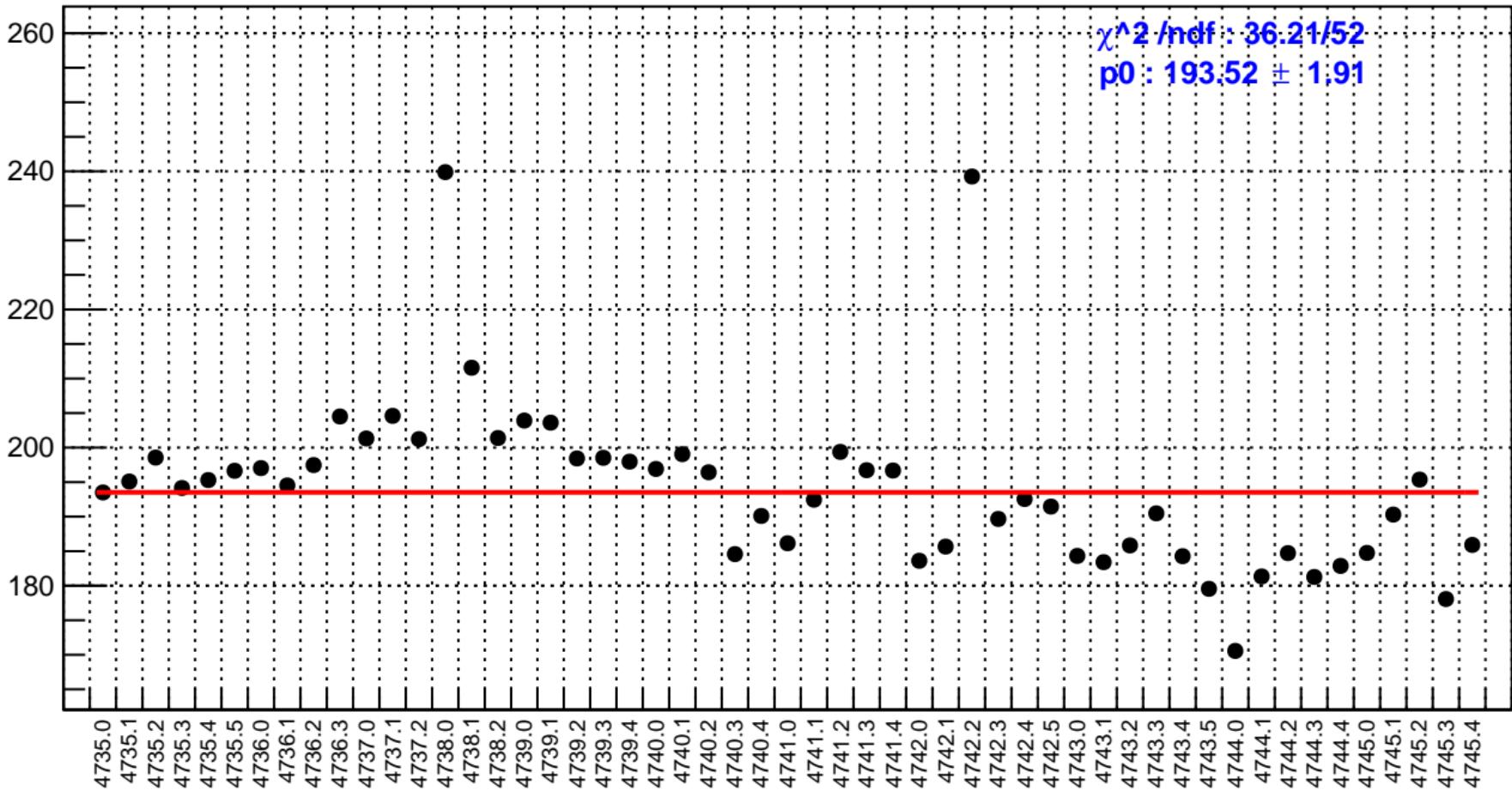


slug77: asym_sam1.mean/ppb-reg_asym_sam1.mean/ppb

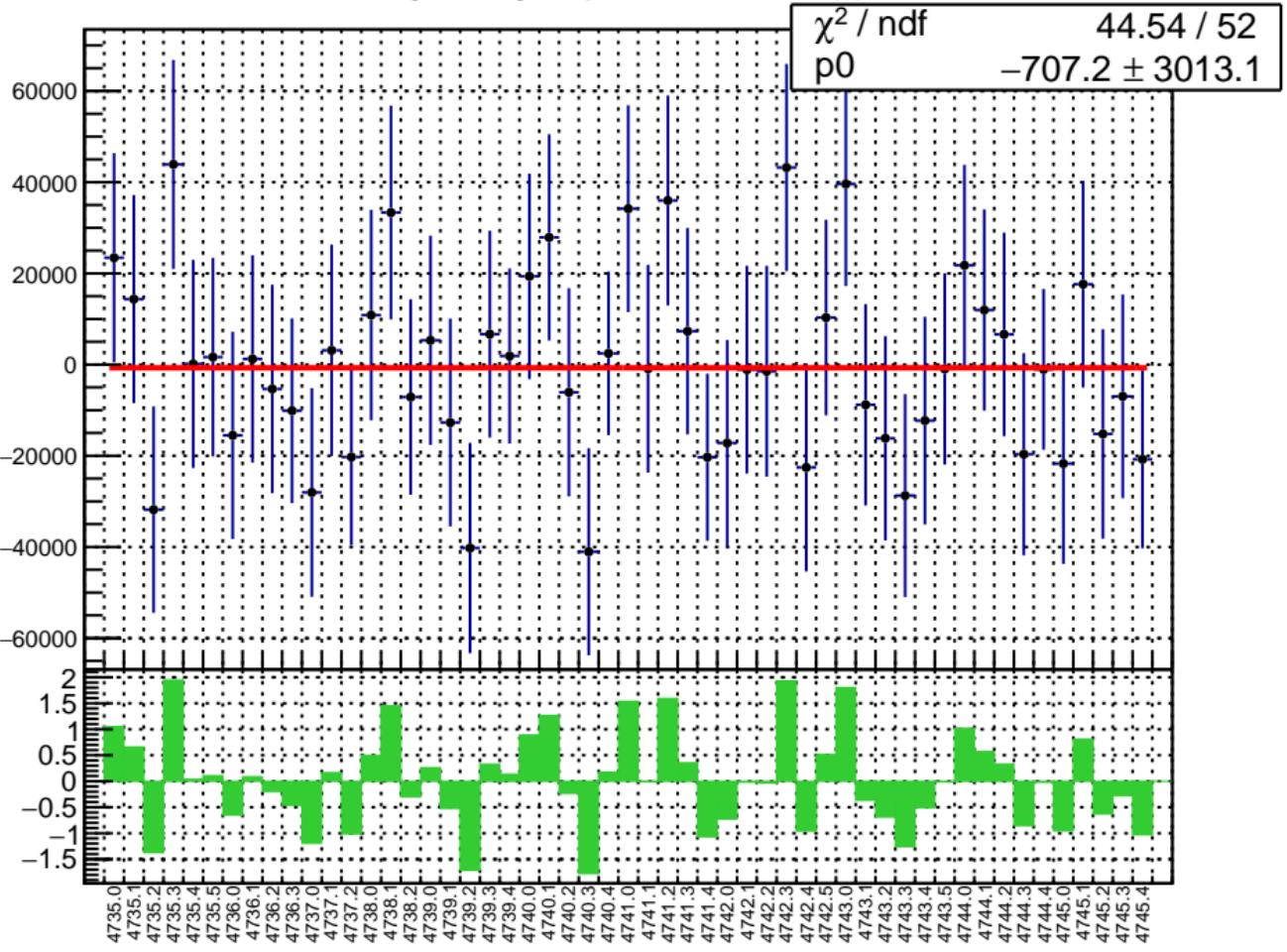
slug77: 1D Corr asym_sam1.mean/ppb-reg_asym_sam1.mean/ppb



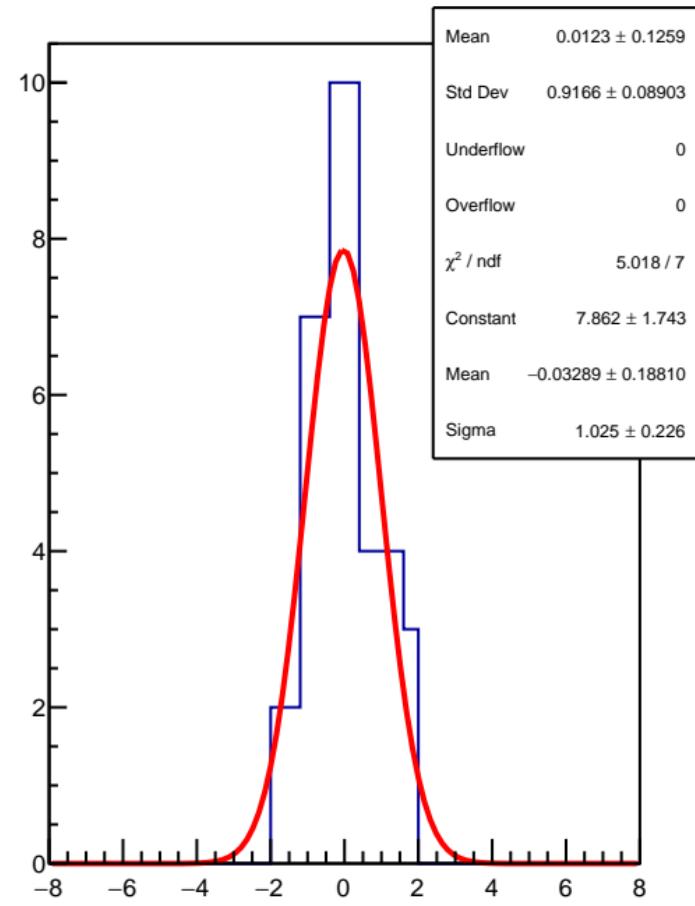
slug77: reg_asym_sam1.rms/ppm



slug77: reg_asym_sam2.mean/ppb

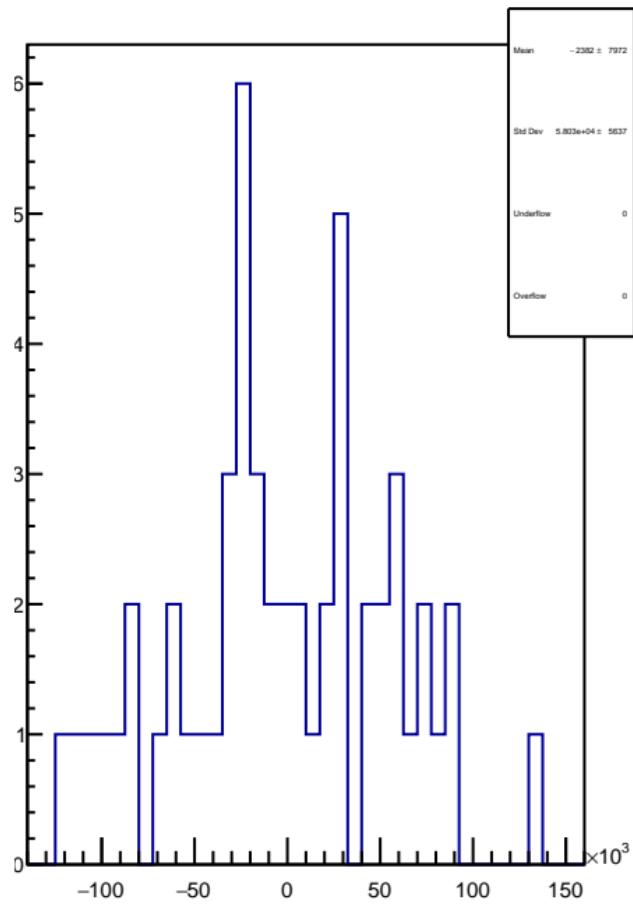
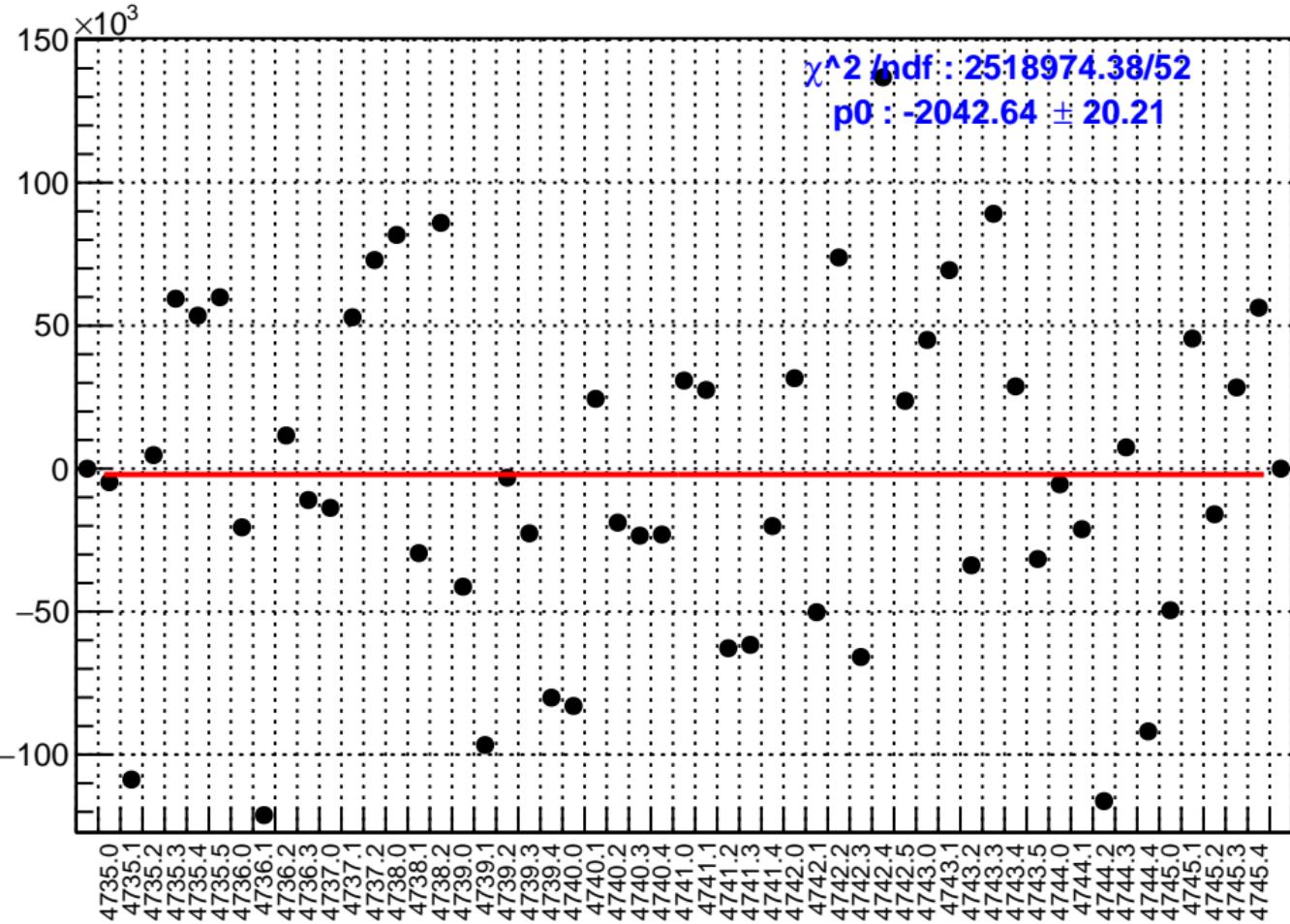


1D pull distribution

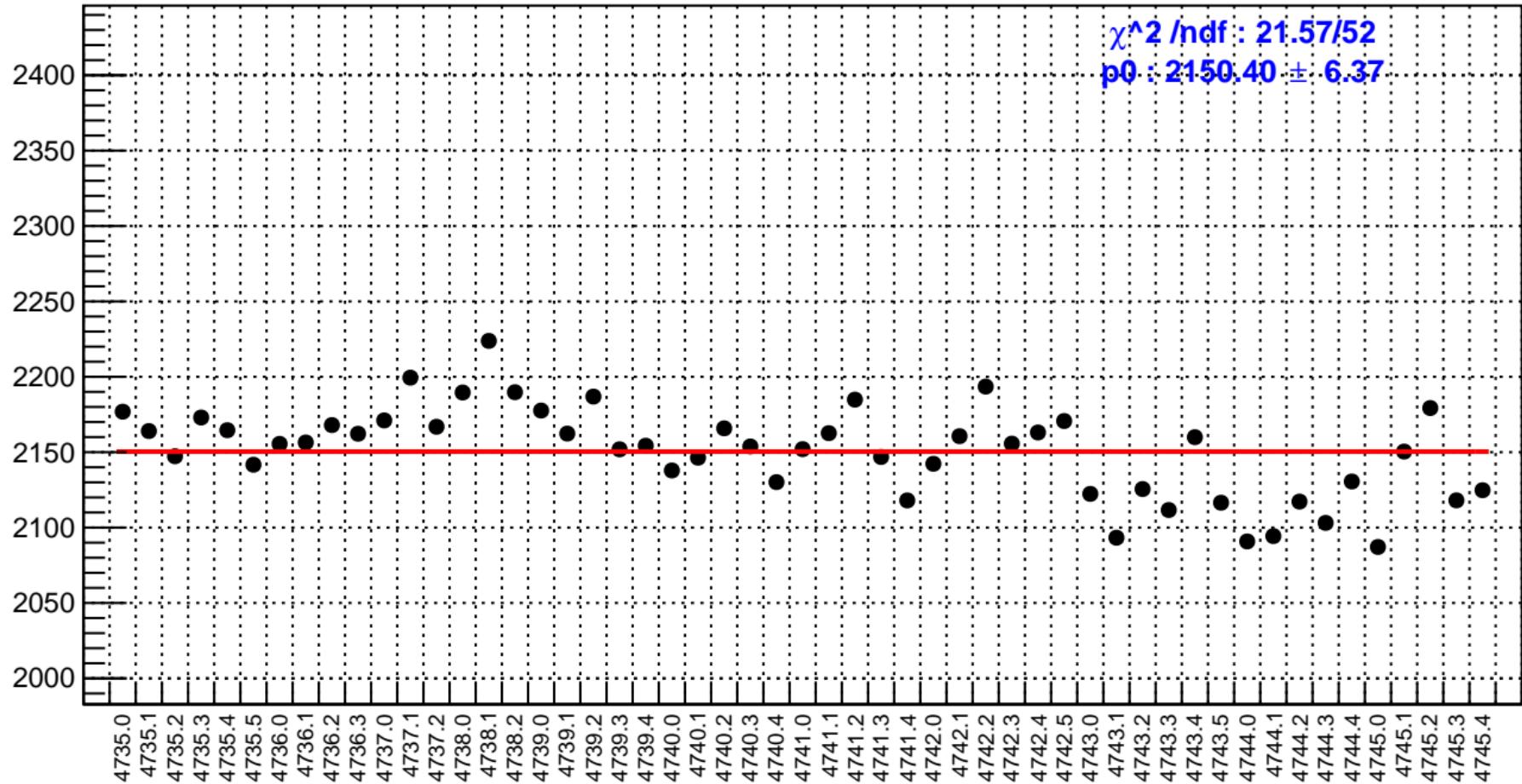


slug77: asym_sam2.mean/ppb-reg_asym_sam2.mean/ppb

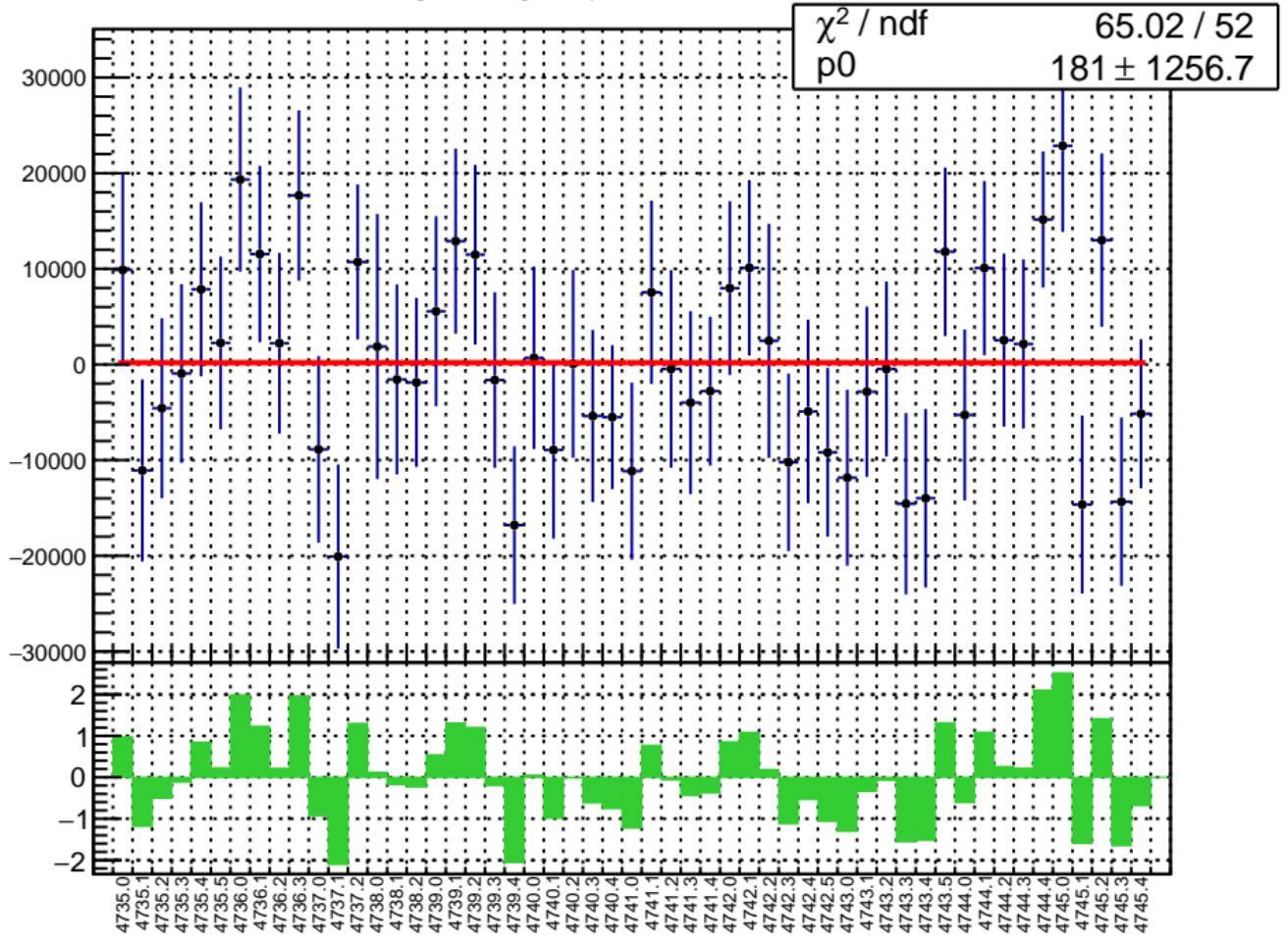
slug77: 1D Corr asym_sam2.mean/ppb-reg_asym_sam2.mean/ppb



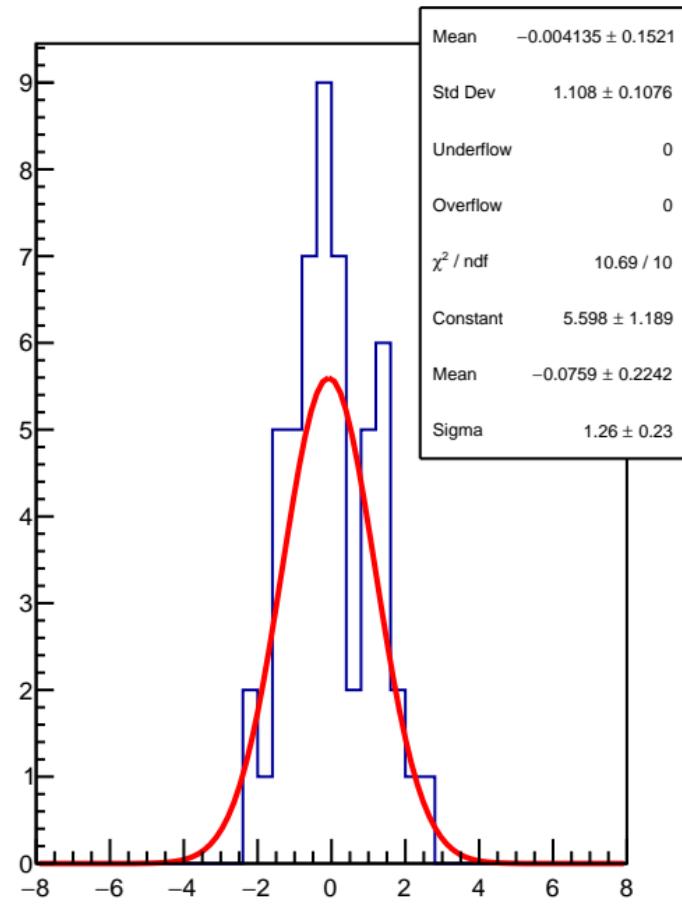
slug77: reg_asym_sam2.rms/ppm



slug77: reg_asym_sam3.mean/ppb

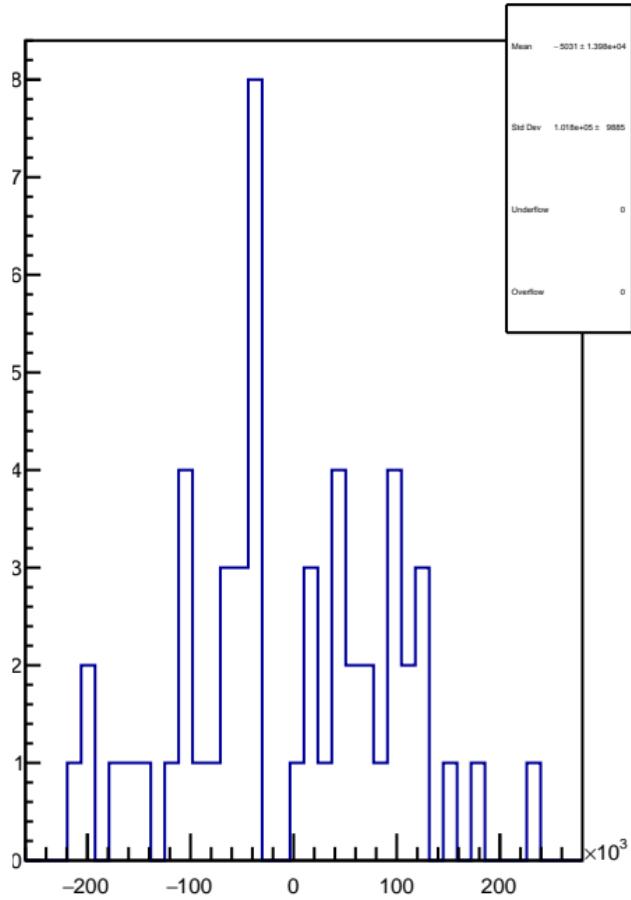
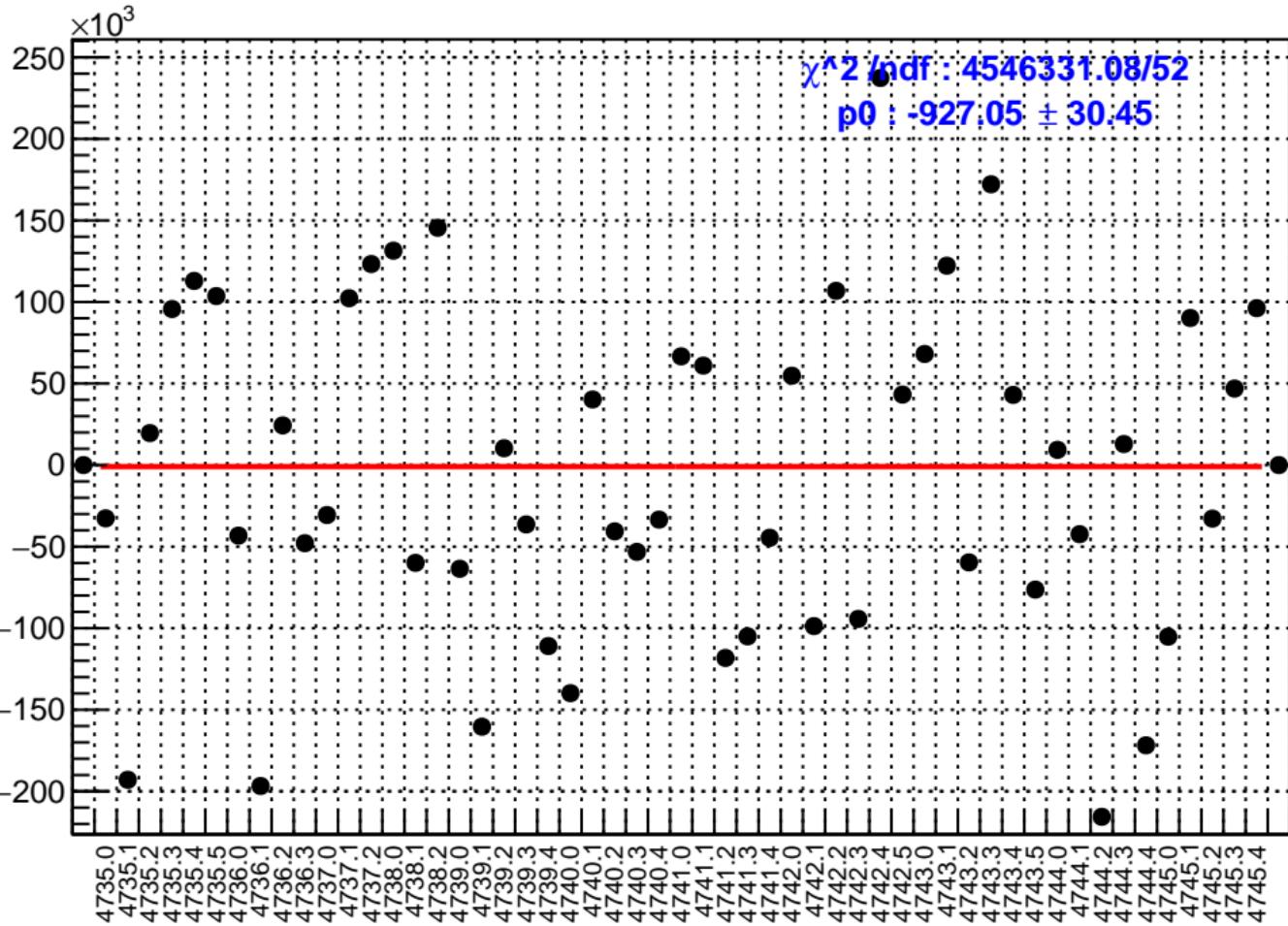


1D pull distribution

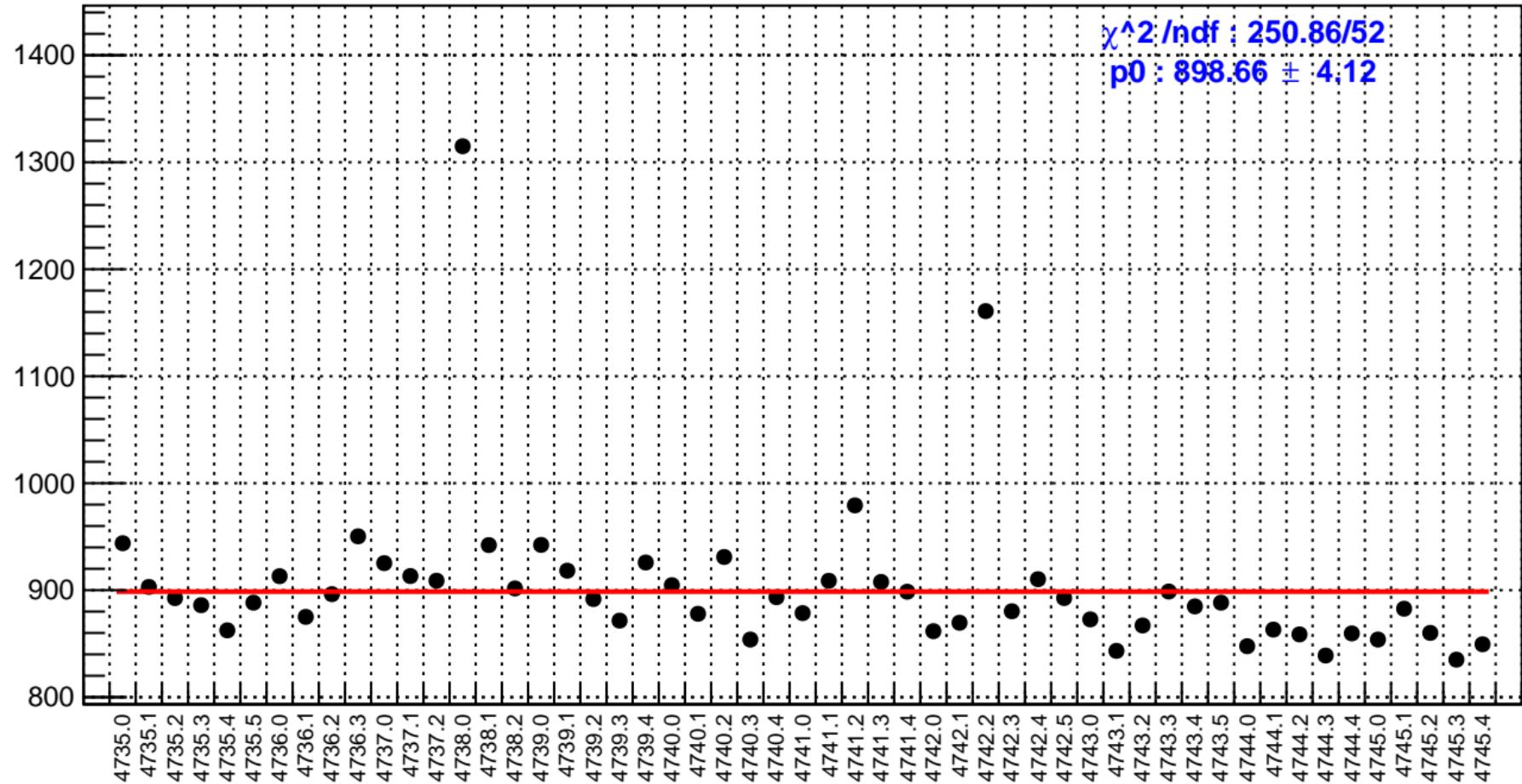


slug77: asym_sam3.mean/ppb-reg_asym_sam3.mean/ppb

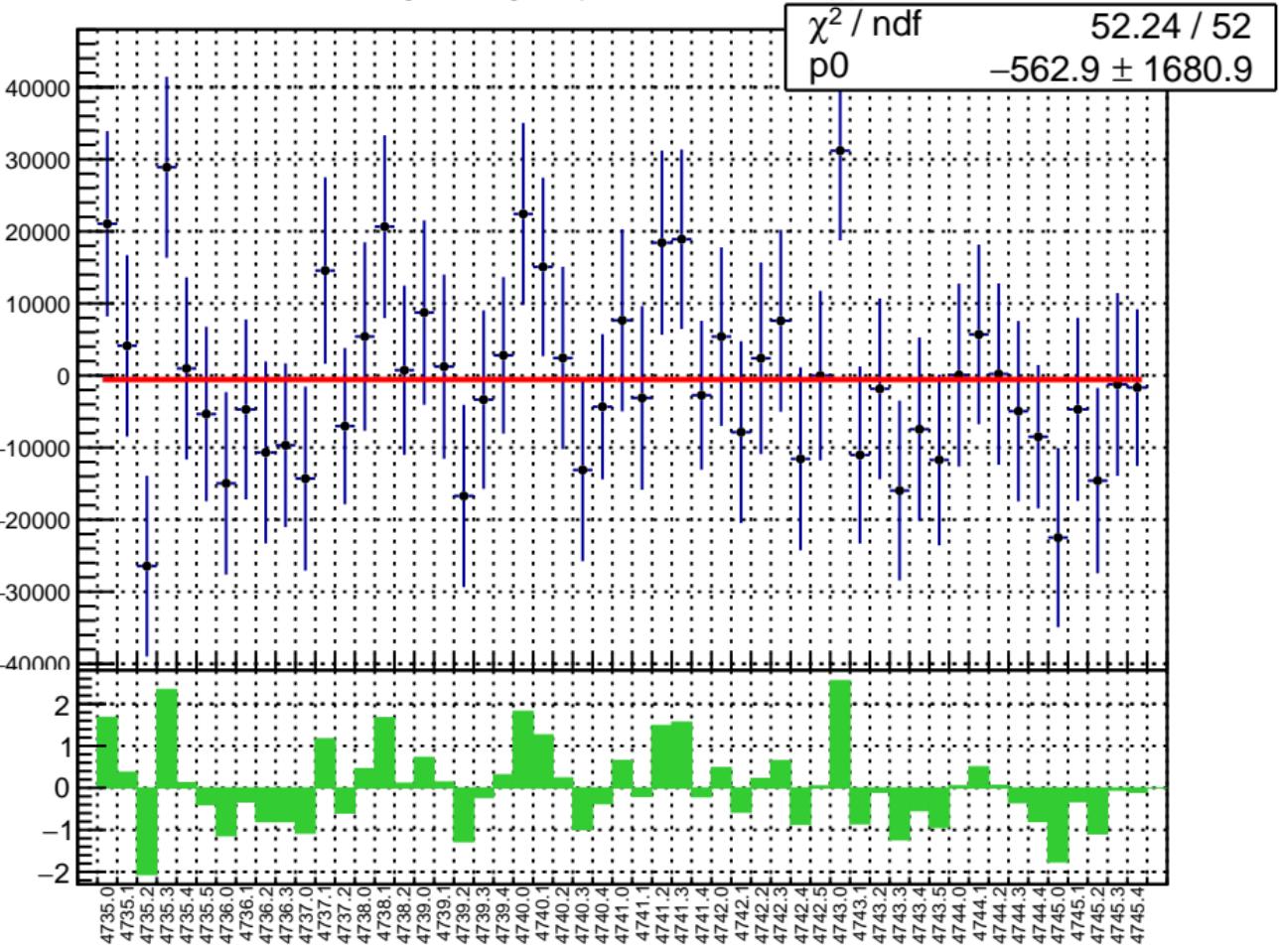
slug77: 1D Corr asym_sam3.mean/ppb-reg_asym_sam3.mean/ppb



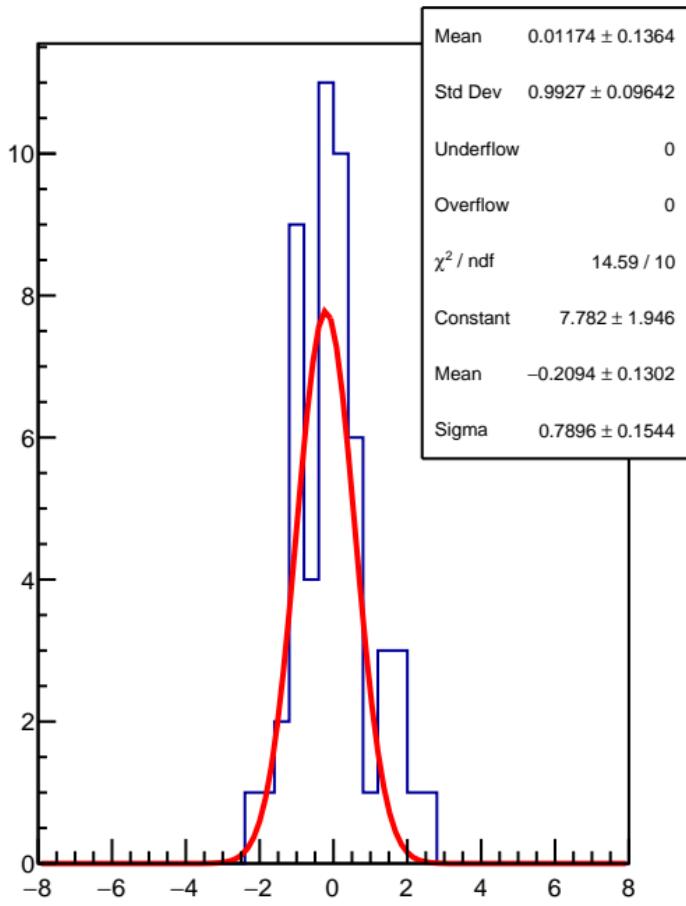
slug77: reg_asym_sam3.rms/ppm



slug77: reg_asym_sam4.mean/ppb

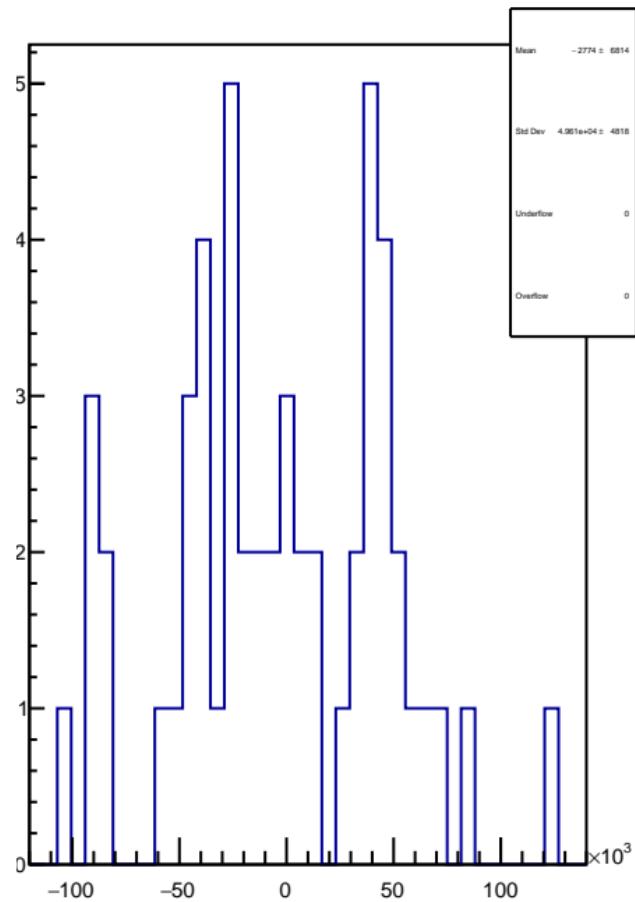
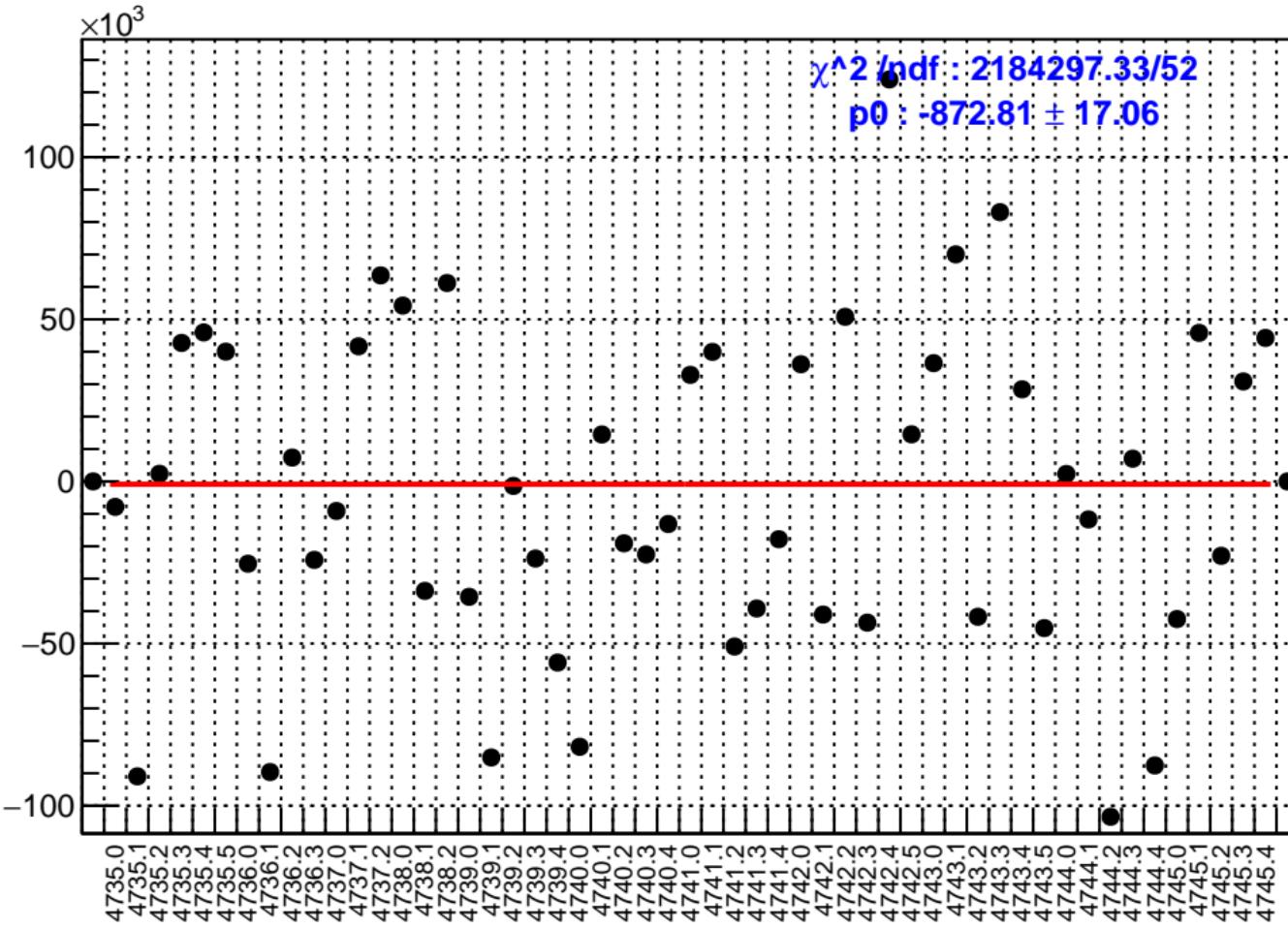


1D pull distribution

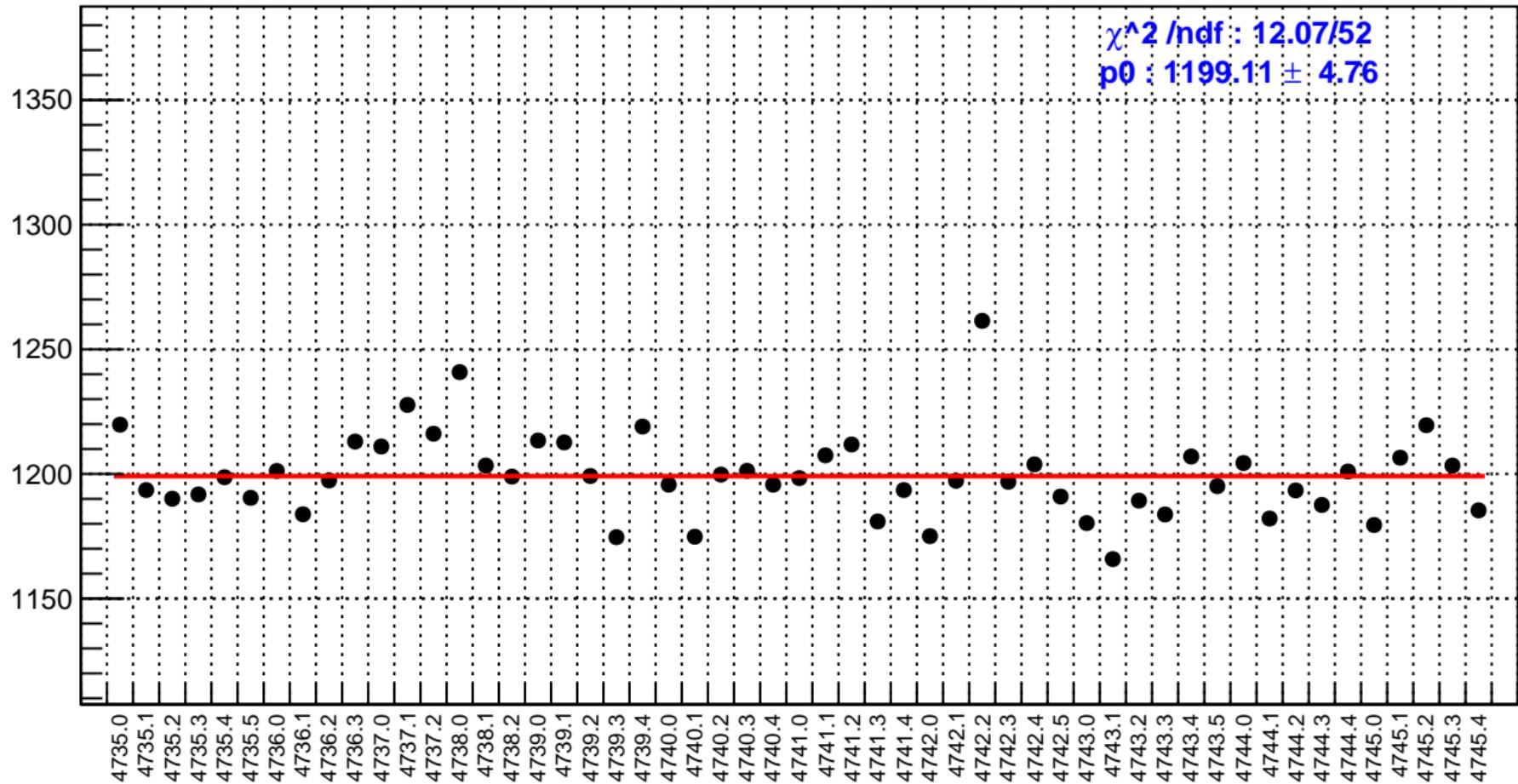


slug77: asym_sam4.mean/ppb-reg_asym_sam4.mean/ppb

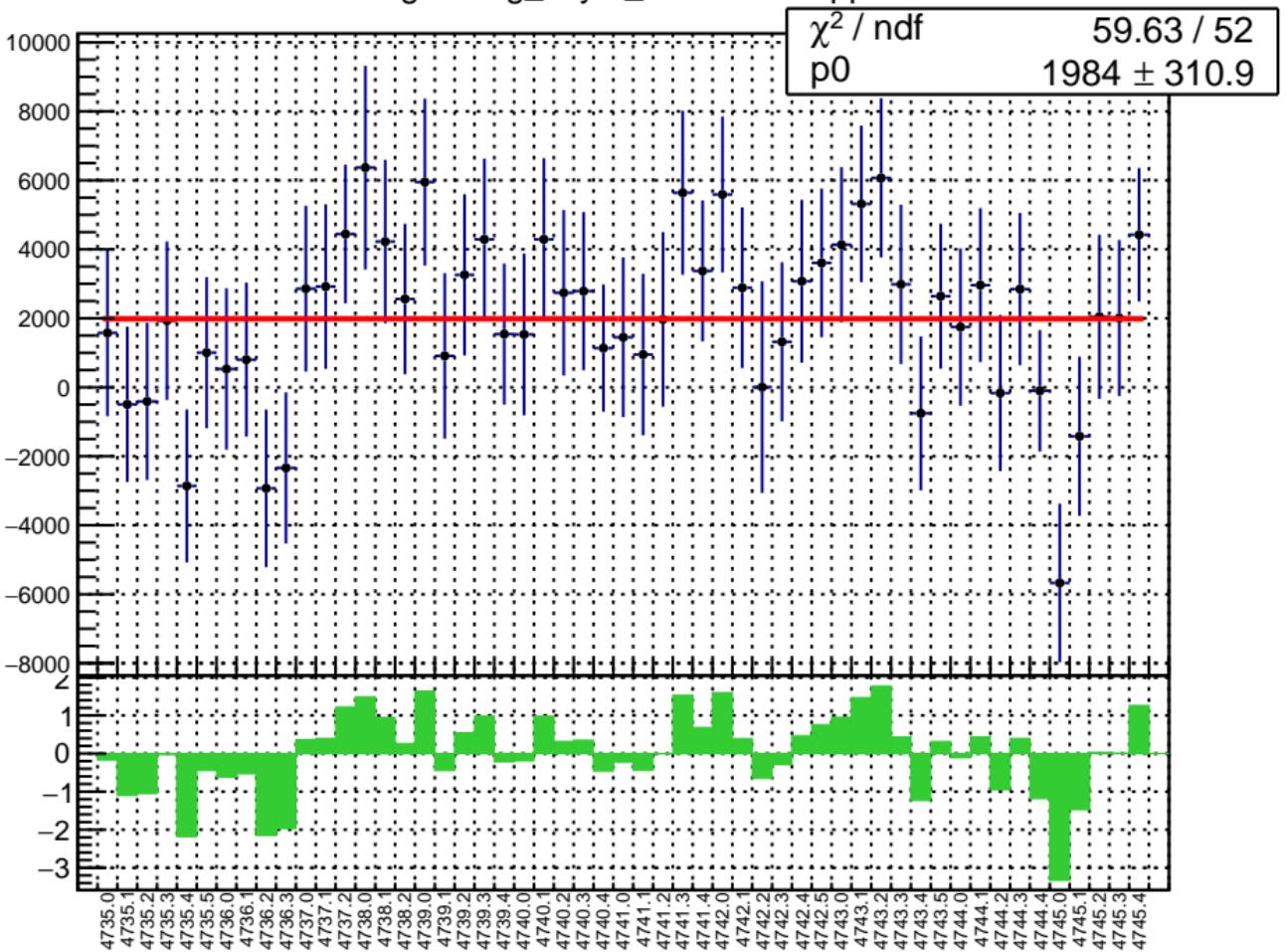
slug77: 1D Corr asym_sam4.mean/ppb-reg_asym_sam4.mean/ppb



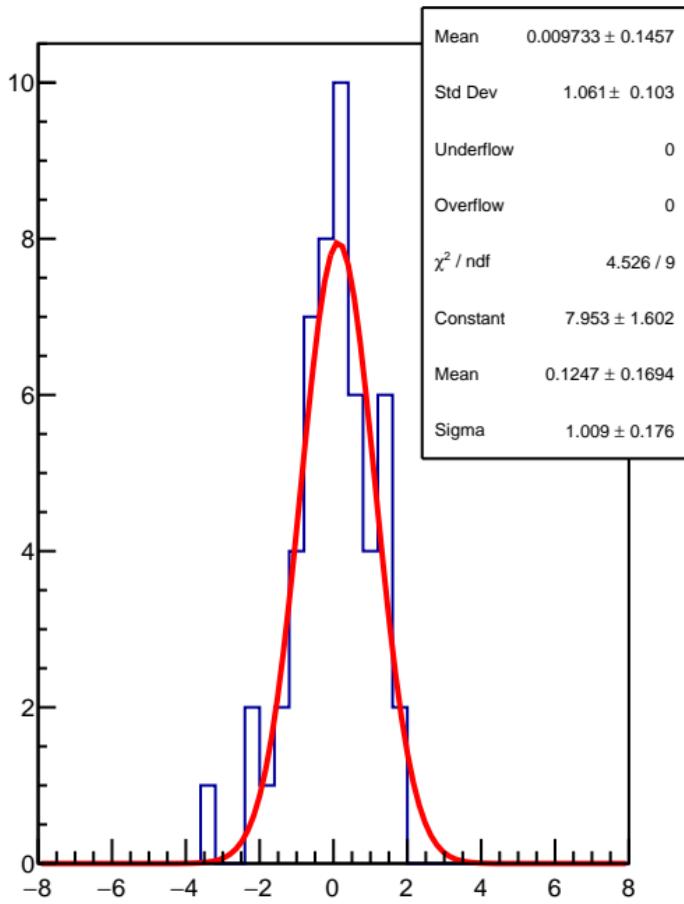
slug77: reg_asym_sam4.rms/ppm



slug77: reg_asym_sam5.mean/ppb

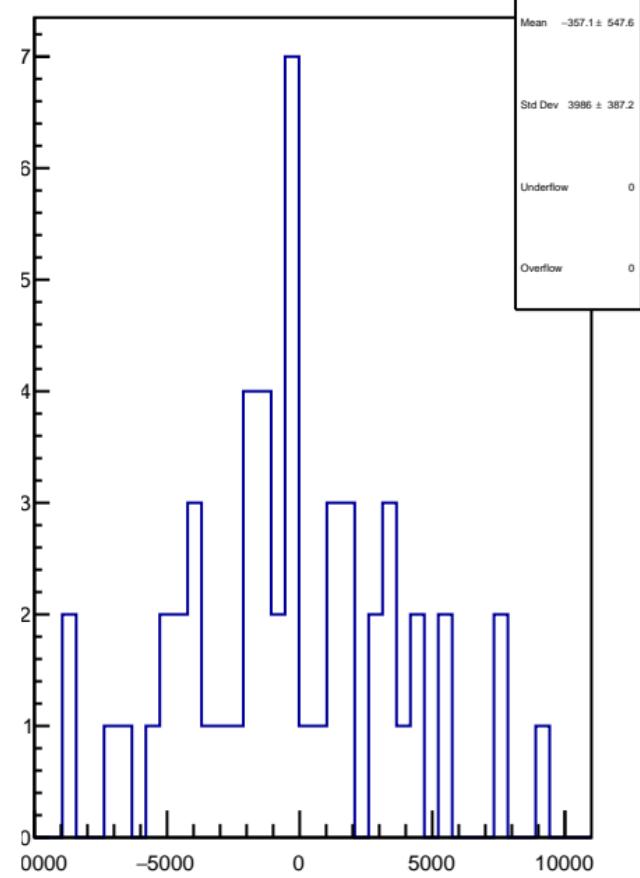
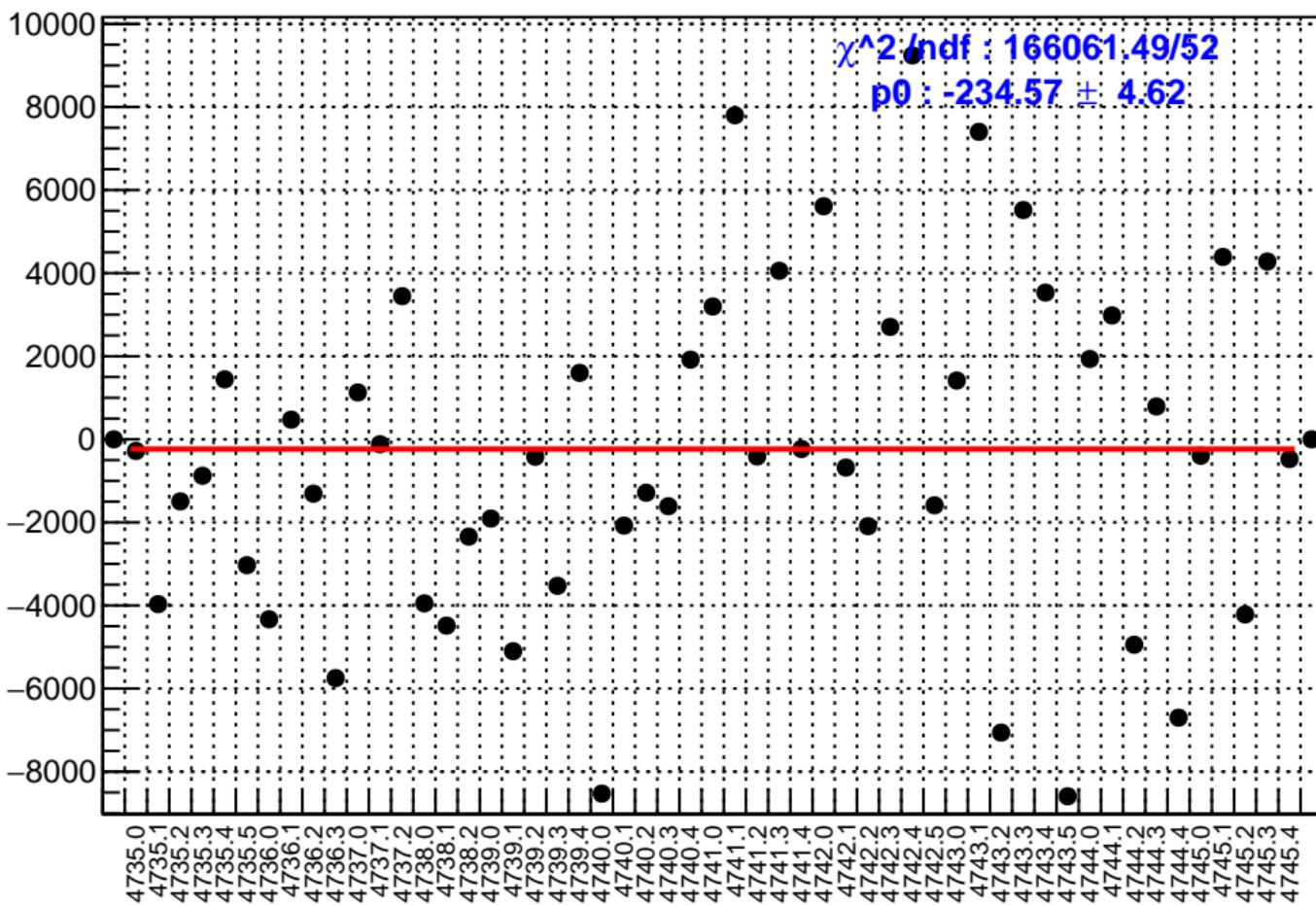


1D pull distribution

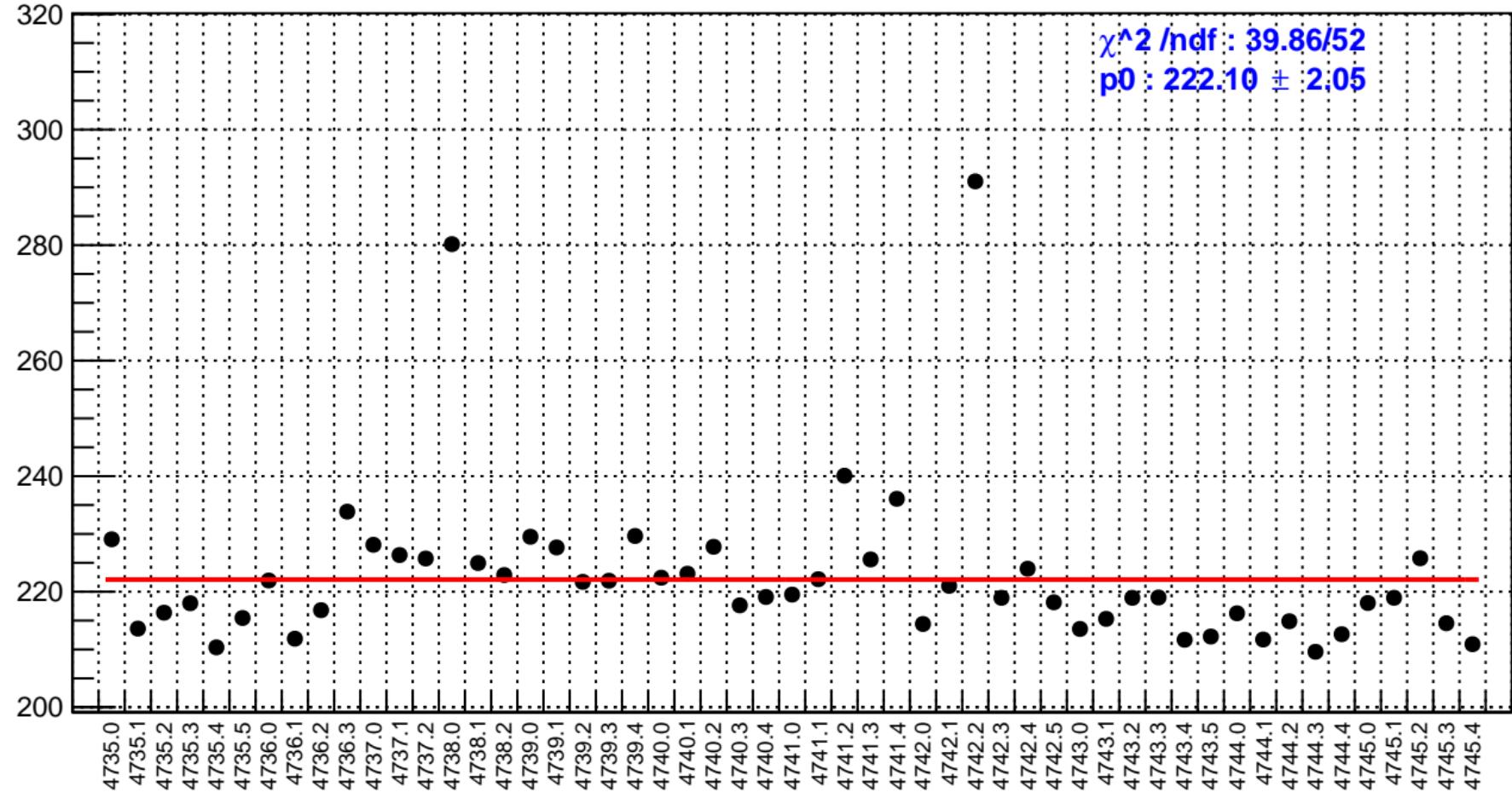


slug77: asym_sam5.mean/ppb-reg_asym_sam5.mean/ppb

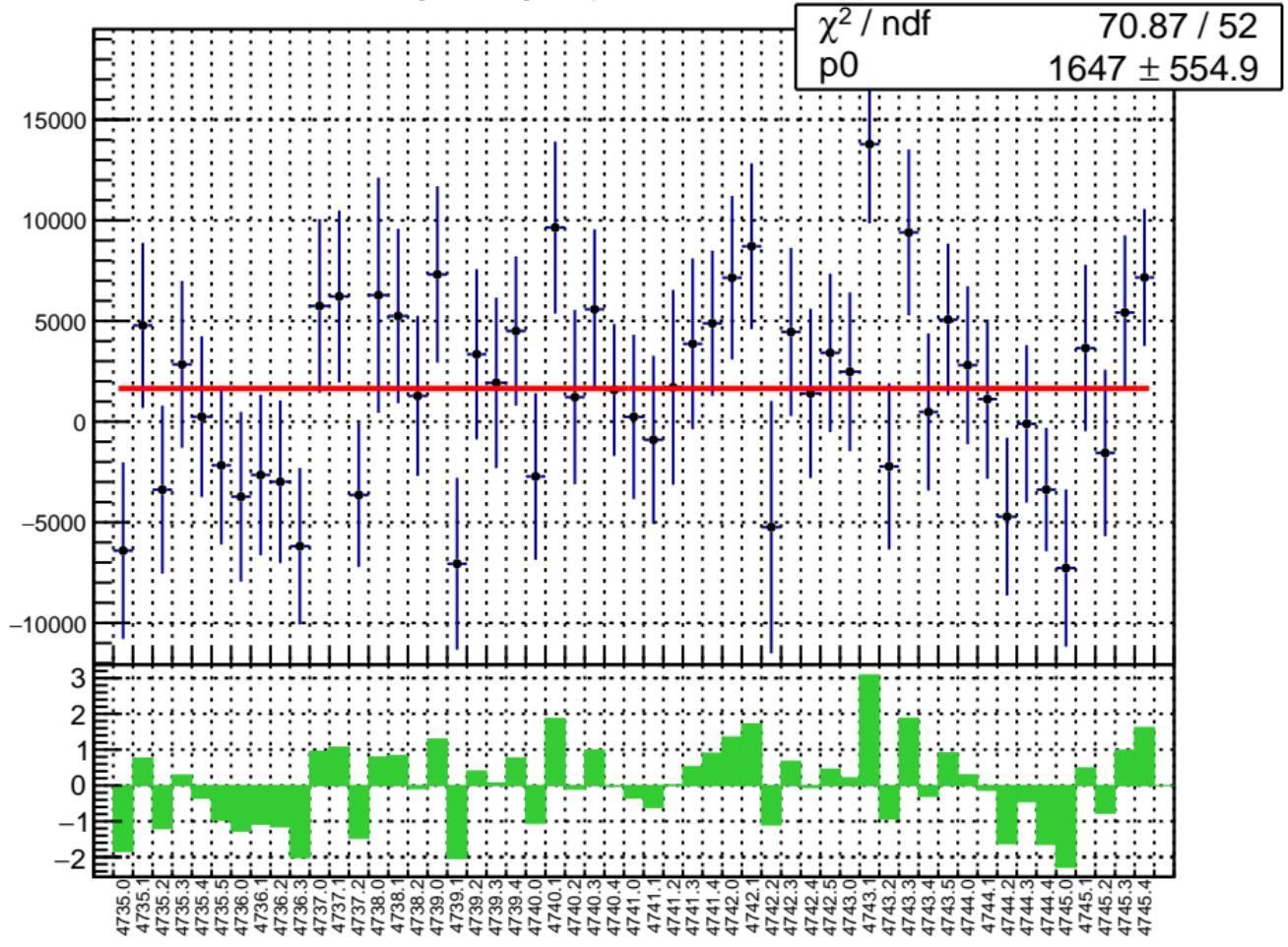
slug77: 1D Corr asym_sam5.mean/ppb-reg_asym_sam5.mean/ppb



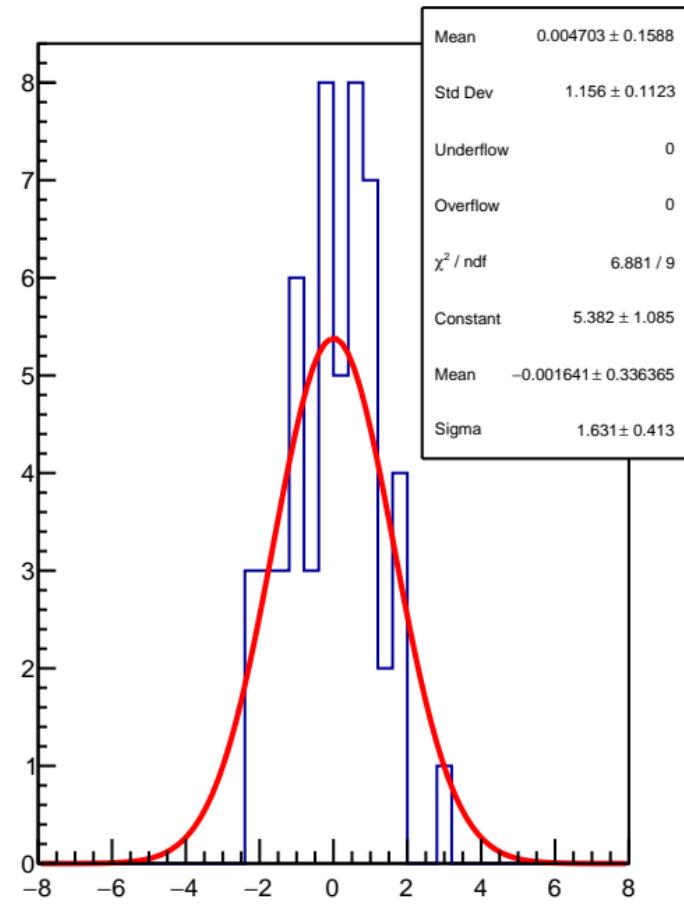
slug77: reg_asym_sam5.rms/ppm



slug77: reg_asym_sam6.mean/ppb

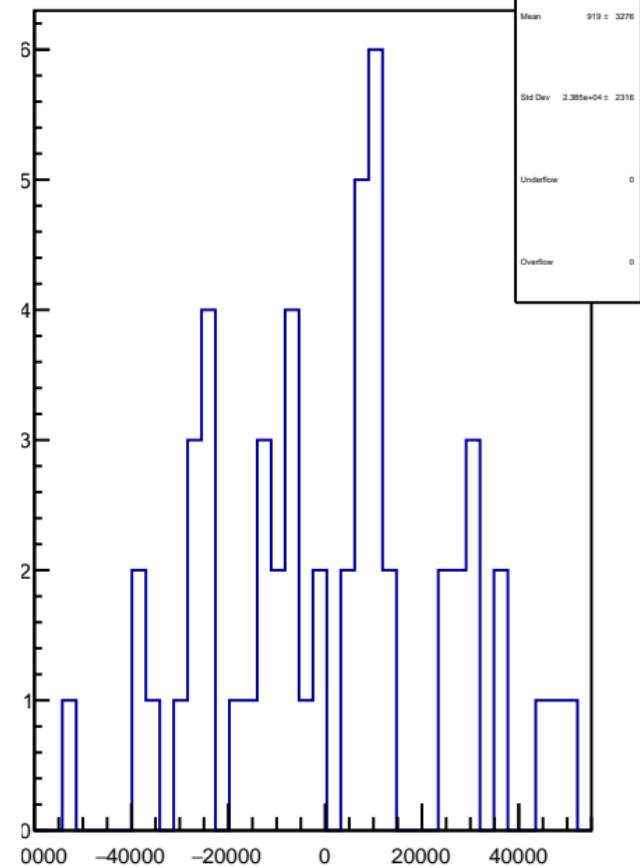
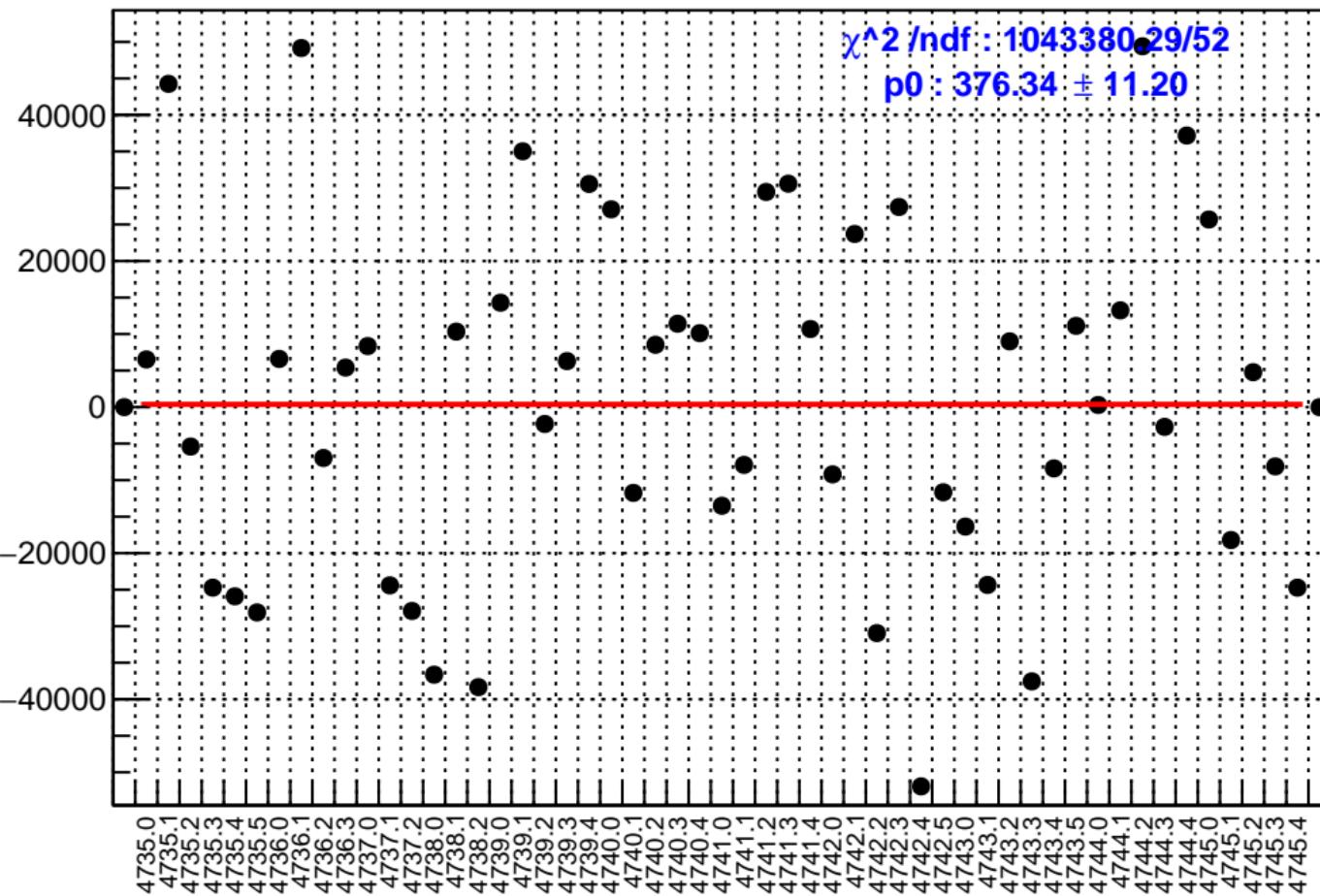


1D pull distribution

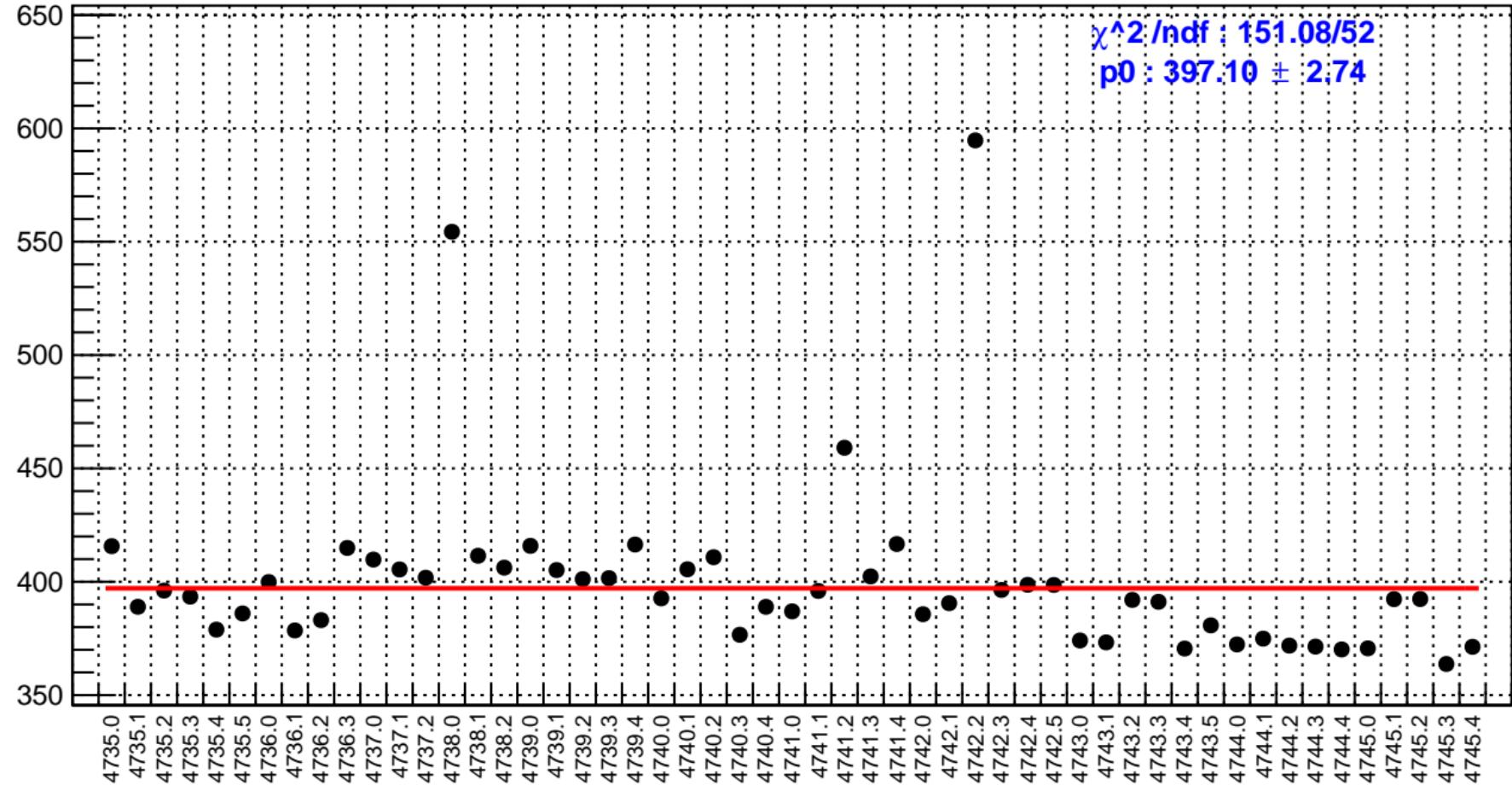


slug77: asym_sam6.mean/ppb-reg_asym_sam6.mean/ppb

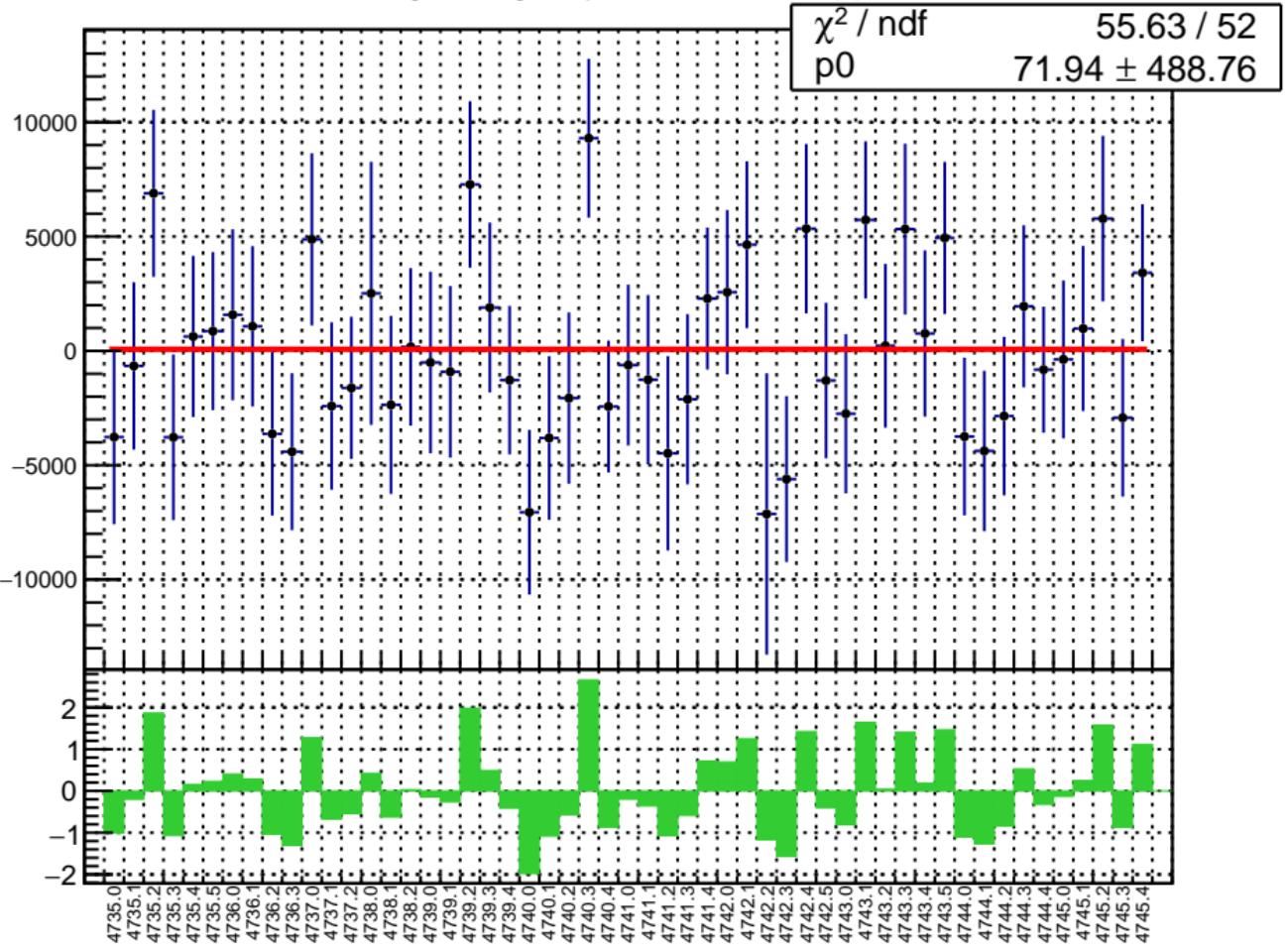
slug77: 1D Corr asym_sam6.mean/ppb-reg_asym_sam6.mean/ppb



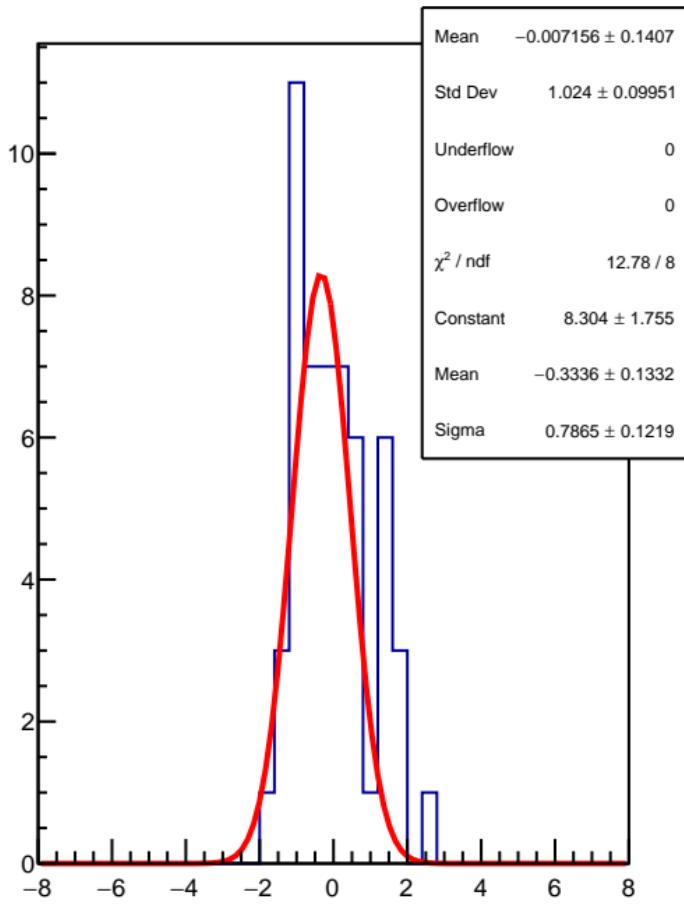
slug77: reg_asym_sam6.rms/ppm



slug77: reg_asym_sam7.mean/ppb

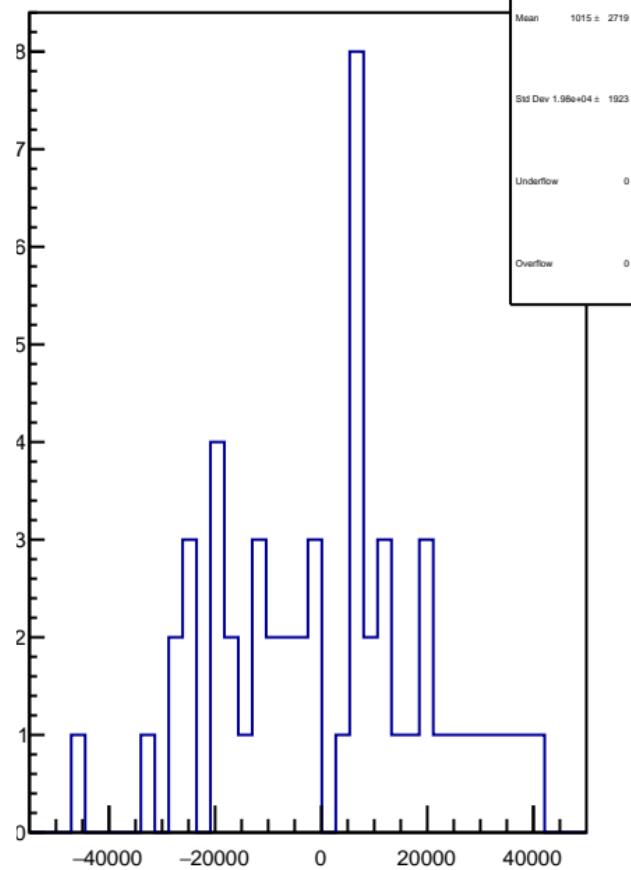
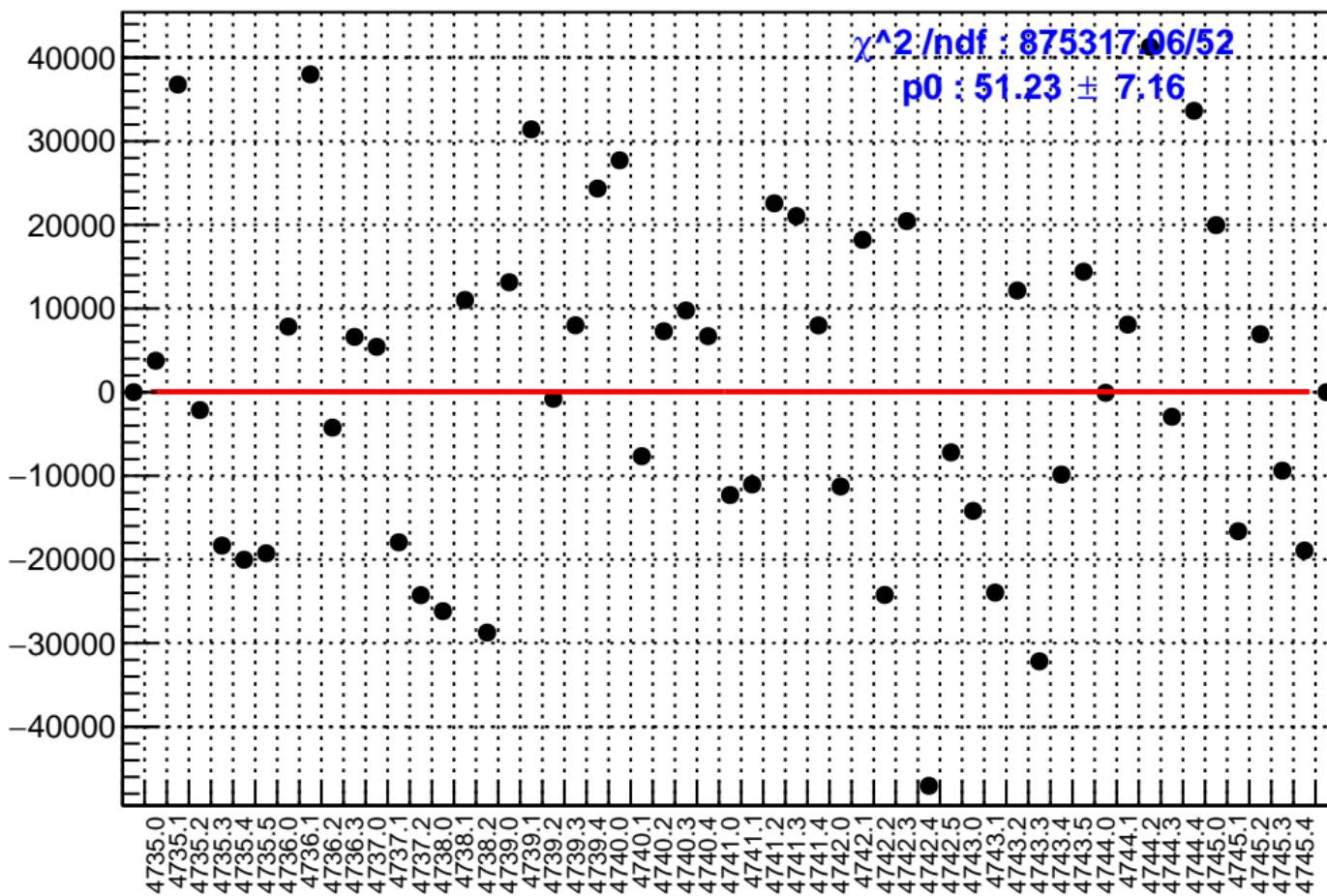


1D pull distribution

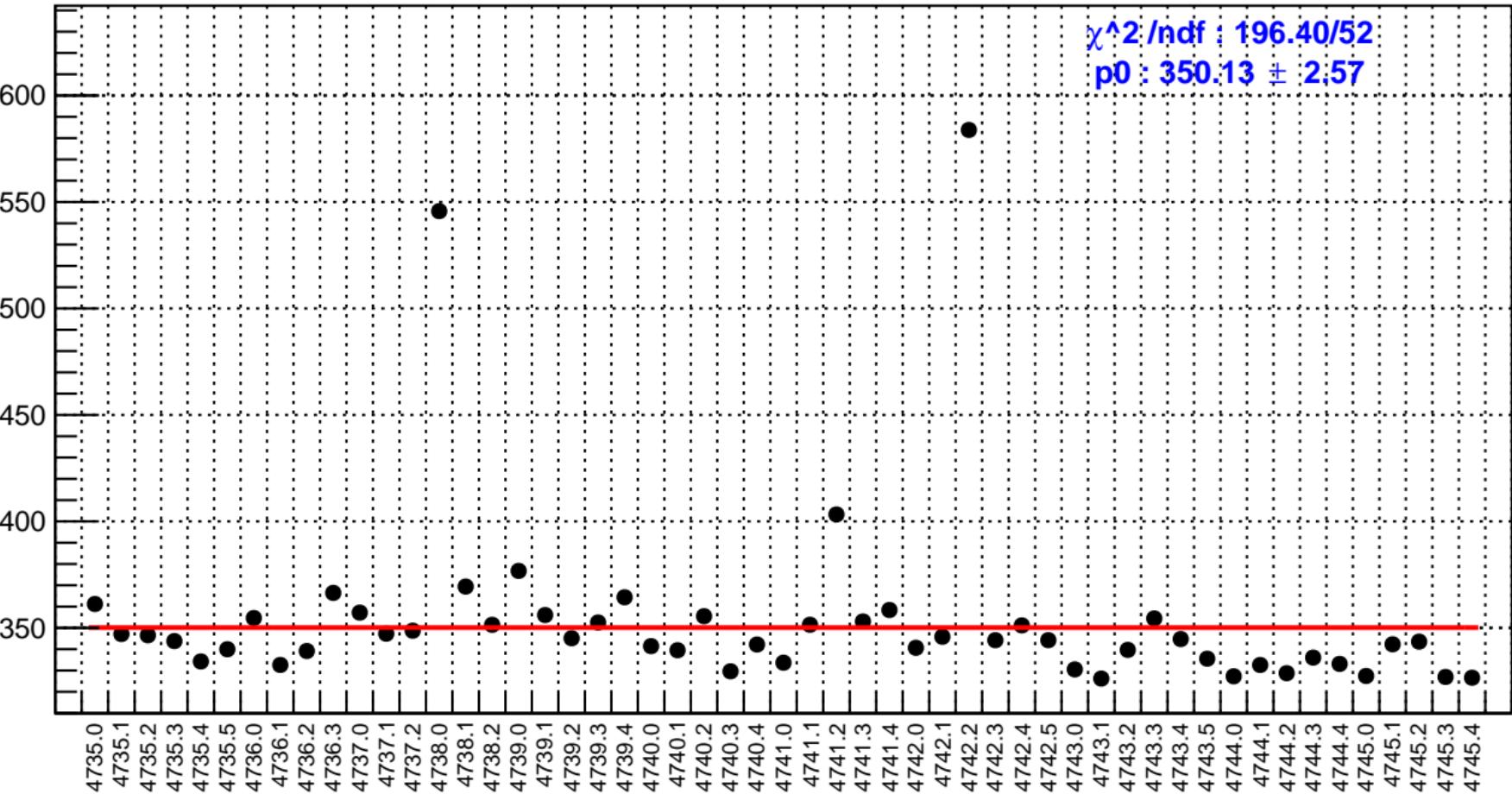


slug77: asym_sam7.mean/ppb-reg_asym_sam7.mean/ppb

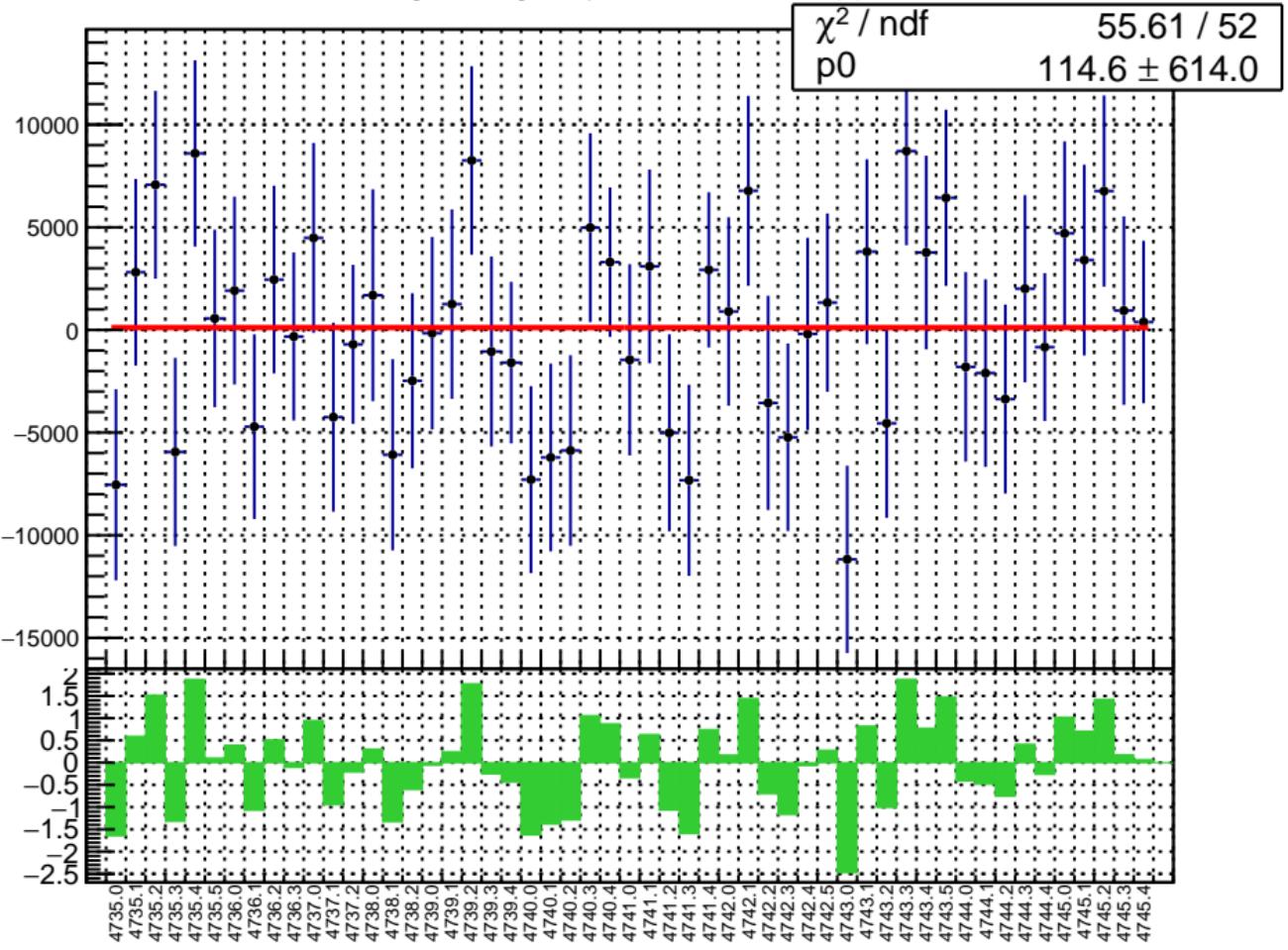
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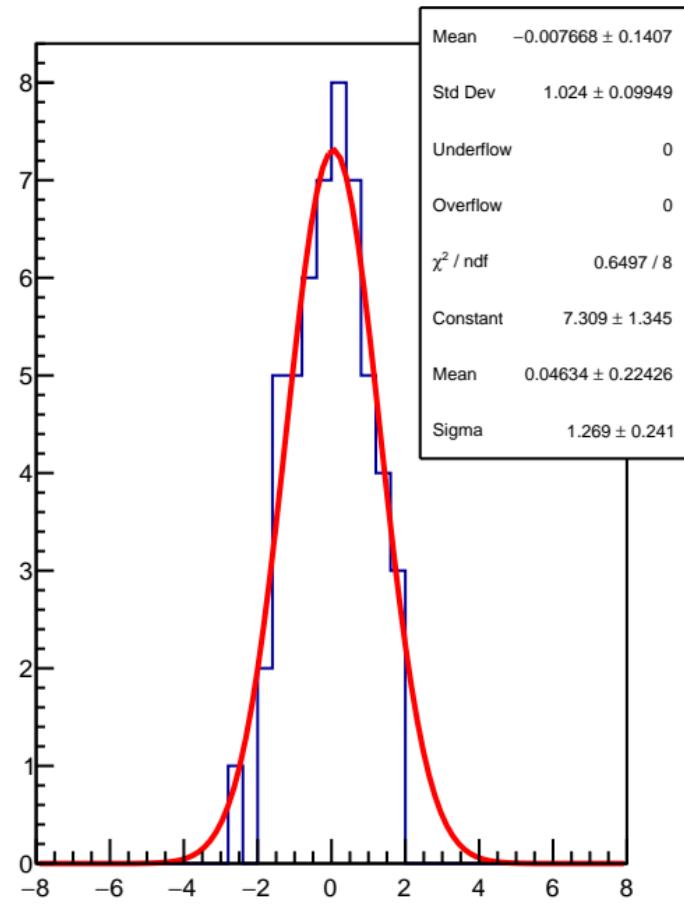
slug77: reg_asym_sam7.rms/ppm



slug77: reg_asym_sam8.mean/ppb

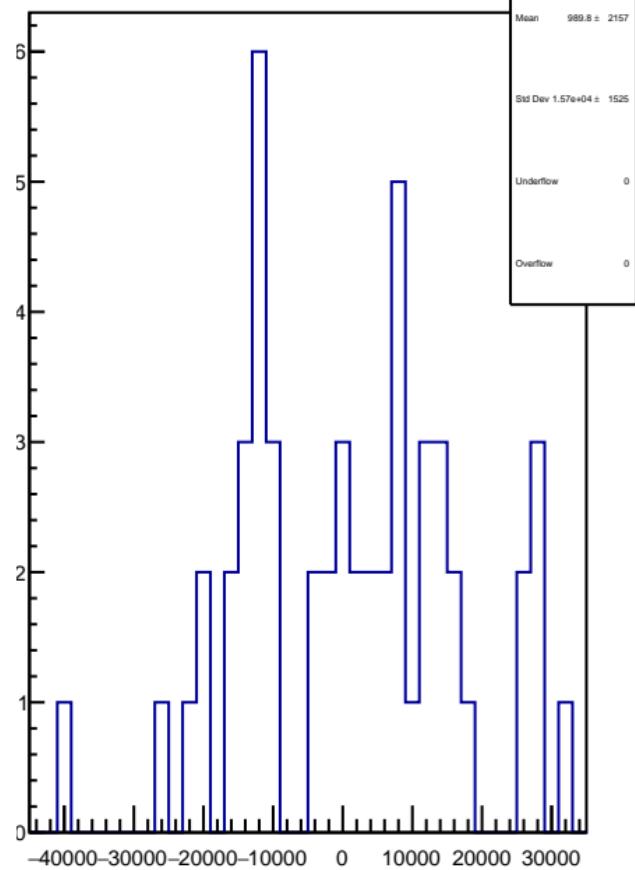
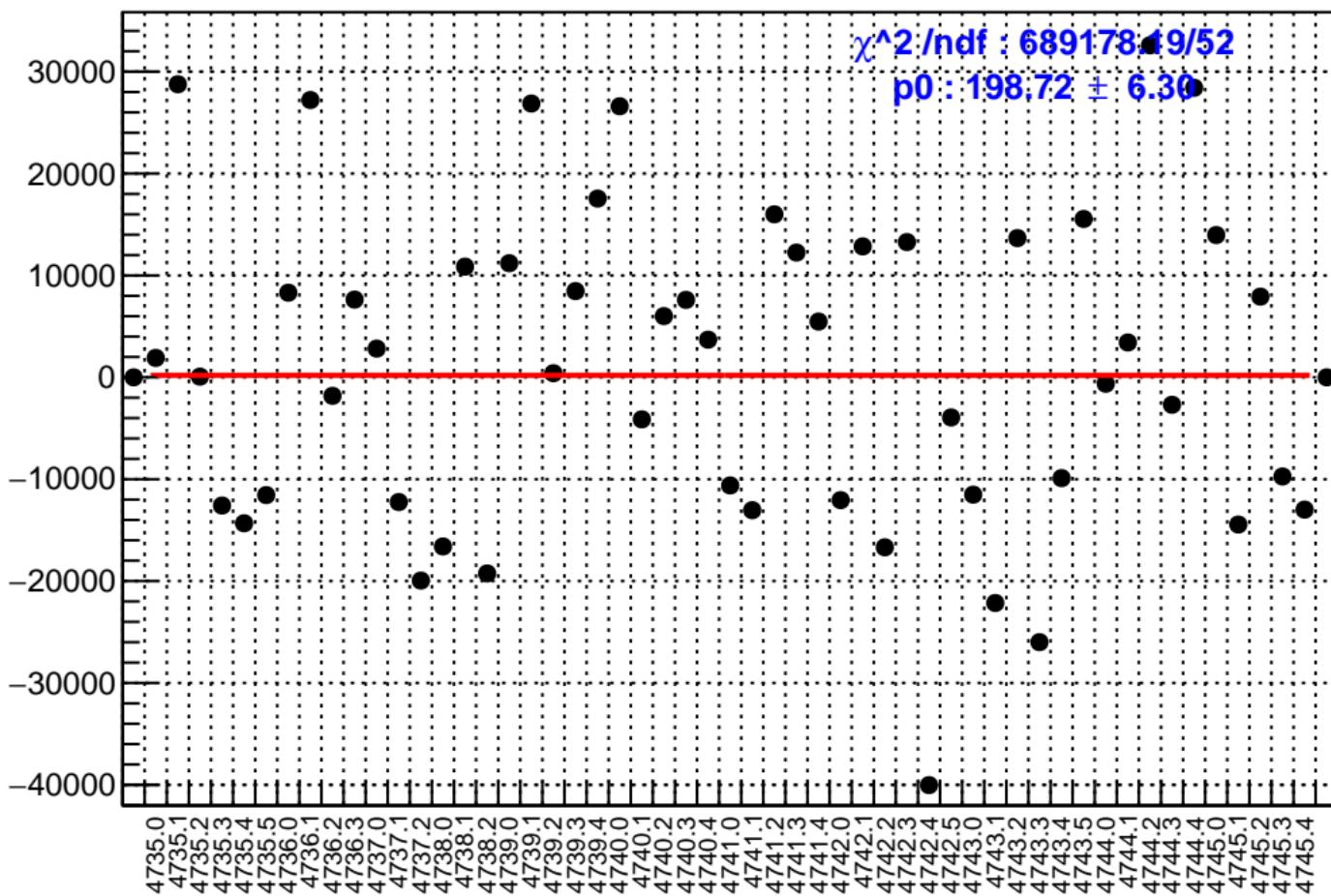


1D pull distribution



slug77: asym_sam8.mean/ppb-reg_asym_sam8.mean/ppb

slug77: 1D Corr asym_sam8.mean/ppb-reg_asym_sam8.mean/ppb



slug77: reg_asym_sam8.rms/ppm

